Sphinx 4.0

Access Control System

Version 1.0.0.6

User Operation Manual

Index

Chapter 1 Introduction 6
1.1 I-CON - Overview 6
1.2 Software Overview 6
1.3 Features 6
1.4 Web & FTP Sites 6
Chapter 2 Software Installation 7
2.1 Computer Requirements 7
2.2 Installation 7
Chapter 3 System Setup 15
3.1 Opening the Software 15
3.2 Selecting the Language 15
3.3 Selecting the Database 15
3.4 MS Access Setup 16
3.5 MS SQL Setup 17
Chapter 4 Setup Quick Reference & Troubleshooting 22
4.1 Setup Quick Reference 22
4.2 Troubleshooting 22
Chapter 5 Main Operating Screen 25
5.1 Logon 25
5.2 Menu Bar 26
5.3 Tool Bar 27
Chapter 6 Manager Sub-Menu 28
6.1 User Accounts 28
6.1.1 Adding a Group 29
6.1.2 Editing a Group 31
6.1.3 Adding a User 33
6.1.4 Editing a User 35
6.1.5 Deleting a Group or a User 37
6.1.6 Changing User Password 37
6.1.7 Exporting Groups List 37
6.2 Change Password 37
6.3 Organization Structure 38
6.3.1 Departments 38

6.3.2 T&A Policy 42
6.4 Change Database 45
6.5 Dictionary 45
6.5.1 File 46
6.5.2 View 50
6.6 System Manager 51
6.6.1 Repeated Check 51
6.6.2 Events View/Alert Range 51
6.7 Summer/Winter Time 55
Chapter 7 Setup Sub-Menu 56
7.1 Hardware 56
7.1.1 Controller Configuration 56
7.1.2 TCP/IP Setting 71
7.1.3 Search Controller 71
7.1.4 Doors Configuration 72
7.1.5 TA7001 79
7.1.6 Controller Components 79
7.2 Cards 80
7.2.1 Card List 80
7.2.2 Personnel List 85
7.2.3 Access Level 96
7.2.4 Personal PIN Enable 99
7.2.5 Visitors List 100
7.2.6 Lift Access Level 102
7.2.7 TA7001 LCD Display 104
7.3 Events Alerts 106
7.4 Map 108
7.4.1 Multi Site Setup 108
7.4.2 New Map 109
7.4.3 Design Map 113
7.4.4 Delete Map 113
7.4.5 Icon Library 113
7.5 Flow Control 114
7.5.1 Flow Control By Inputs 115
7.5.2 Flow Control By Events 118

7.5.3 Flow Control By Inputs (Software) 120
7.6 Wiegand Format 122
7.7 Special Date 126
7.7.1 Temporary Date Setup 126
7.7.2 Holiday 126
7.8 Communication Configuration 127
7.8.1 Server 127
7.8.2 Communication 128
7.8.3 Clock Adjustment 131
7.8.4 Desktop Reader & Card Number Format 132
7.9 Alert Email Notification 135
7.9.1 SMTP Setup: 135
7.9.2 Sending a Test Email: 136
7.9.3 New Alert Email Notification: 136
7.10 Area Name 137
7.11 Saved Events 137
7.12 Car Parking 138
Chapter 8 Monitor 140
8.1 Events 140
8.2 Personnel Photo Viewer 141
8.3 Multi Site View 143
8.4 Open Map 145
8.5 Communication 146
8.6 Clients 147
Chapter 9 Report 148
9.1 All Cards Events 148
9.2 Cards Events Filter 150
9.3 All Hardware Events 152
9.4 Area Report 154
9.5 Personnel Area Report 154
9.6 Area Changed Report 155
9.7 System Log 155
Chapter 10 Maintenance 157
10.1 Delete Events 157
10.2 Auto Events Cleanup 157

10.3 Backup Database 158
10.4 Auto Backup Database 160
10.5 Restore Database 160
10.6 Compact/Repair Database 161
10.7 Auto Compact/Repair Database 162
Chapter 11 Tools 163
11.1 Export Events Automatically 163
11.1.1 New Task 164
11.1.2 Delete Task 169
11.1.3 Edit Task 169
11.2 Import from Excel 169
11.3 Language Editor 172
11.3.1 Opening the Language for editing. 172
11.3.2 Editing Functions 174
11.3.3 File Menu 178
11.3.4 Edit 181
11.4 Import Data From Sphinx 3 Database 183
11.5 Web/Digital Camera 184
Chapter 12 Window 185
12.1 Multi View 185
12.2 Cascade 185
12.3 Tile Horizontally 186
12.4 Tile Vertically 187
12.5 Minimize 188
12.6 Remember Screen 189
Chapter 13 Help 190
13.1 Help 190
13.2 Home Page 190
13.3 On-line Update 190
13.4 Registration Information 190
13.5 Re-Register 190
13.6 About 192
Chapter 14 Language 194
14.1 Language 194

Chapter 1 Introduction

1.1 I-CON - Overview

I-CON is a world's leading manufacturer and supplier of Integrated Security Solutions (Access Control, CCTV, Intrusion) and Building Management. I-CON meets tough end-user demands for safety, security and user friendliness. I-CON has a strong global presence providing its systems in more than 40 countries. The Genie Access web site is www.genieaccess.com.

1.2 Software Overview

The I-CON Sphinx 4 Security Management Software comprises a suite of software products that covers the complete range required by access control professionals. The software is modular and ranges from the standard single user package to multi-user systems. Additional modules including CCTV, and Intrusion are available that interface to the standard software.

1.3 Features

The I-CON Sphinx 4 Security Management Software is Multi-Language and Multi-Database. During the installation process, the user is asked to select between languages. Users are also asked to select the type of database they wish to use. The current choices are between a Microsoft Access database and a Microsoft SQL database (or MSDE). Neither the MS Access or MS SQL programs are supplied with the I-CON Sphinx 4 software.

1.4 Web & FTP Sites

Although software is supplied on a CD at the time of purchase, because of enhancements and bug fixes, software very quickly goes out of date. To make it easier for the installer, up to date software is located on the I-CON FTP site which is accessible through the main Genie Access web site at www.genieaccess.com.

Chapter 2 Software Installation

2.1 Computer Requirements

The I-CON Sphinx 4 Security Management Software is door access management software designed to run on a Microsoft Windows platform. While the software is designed to run on Windows Vista/XP/2000, it will also run on Windows 98/ME/NT although the performance may be reduced. The software will not run on Windows 95. The following is the minimum computer requirement:

CPU: Pentium III – 733 or higher

Free 500MB Hard Disk space

RAM : 128MB

VGA : 1024 x 768 pixels

CDROM

A Free Serial or USB Port

2.2 Installation

Power up the computer and start Windows.
Insert the setup CD or the USB memory key containing the software.
Double Click on the "My Computer" icon and select your CDROM or your USB drive.
You will see 2 files, a small text file called "SN.txt" and an exe file called
"Sphinx_Setup_4.0(Dongle)".
Double click on the "Sphinx_Setup_4.0(Dongle)" file and the setup screen will appear (Figure 2.1).
Click "Next" to continue.

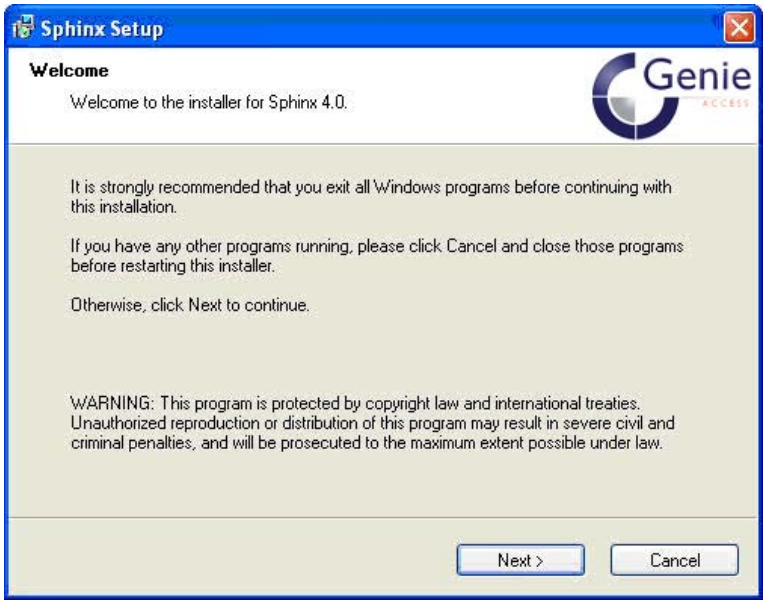
Sphinx Setup
Welcome
Welcome to the installer for Sphinx 4.0.
Genie
It is strongly recommended that you exit all Windows programs before continuing with this installation.
If you have any other programs running, please click Cancel and close those programs before restarting this installer.
Otherwise, click Next to continue.
WARNING: This program is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
Next >
Cancel

Figure 2-1

Accept the terms of the License Agreement and click "Next" to continue (Figure 2-2).

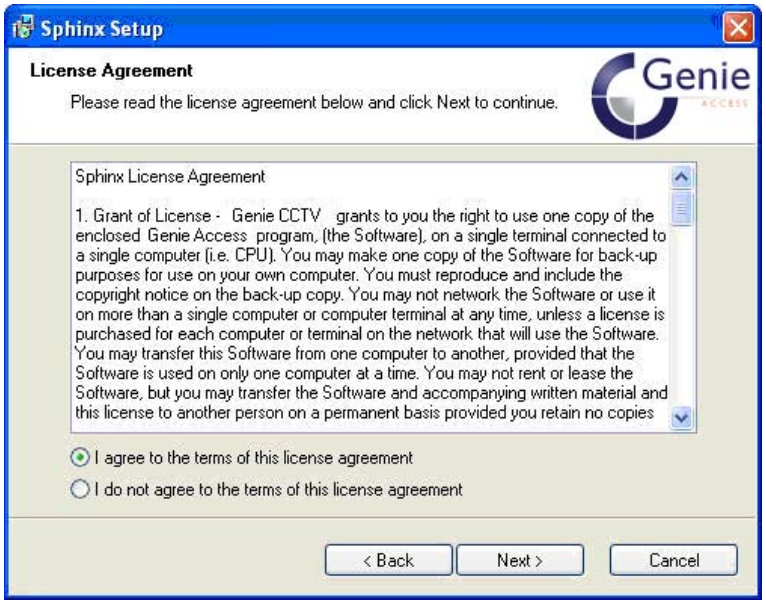
Sphinx Setup
License Agreement
Please read the license agreement below and click Next to continue.
Genie
Sphinx License Agreement
1. Grant of License - Genie CCTV grants to you the right to use one copy of the enclosed Genie Access program, (the Software), on a single terminal connected to a single computer (i.e. CPU). You may make one copy of the Software for back-up purposes for use on your own computer. You must reproduce and include the copyright notice on the back-up copy. You may not network the Software or use it on more than a single computer or computer terminal at any time, unless a license is purchased for each computer or terminal on the network that will use the Software. You may transfer this Software from one computer to another, provided that the Software is used on only one computer at a time. You may not rent or lease the Software, but you may transfer the Software and accompanying written material and this license to another person on a permanent basis provided you retain no copies
I agree to the terms of this license agreement
I do not agree to the terms of this license agreement
< Back
Next >
Cancel

Figure 2-2

Enter your user name and company then click "Next" to continue (Figure 2-3).

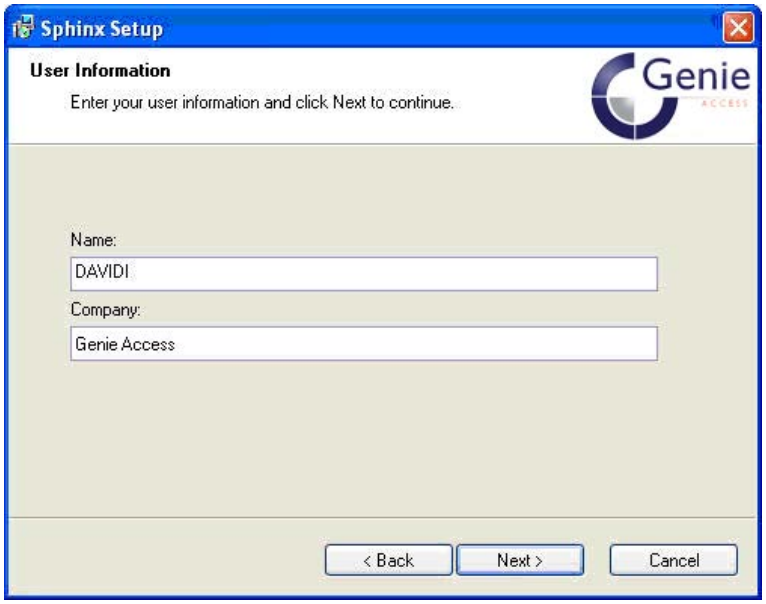

Figure 2-3

Read the additional information then click "Next" to continue (Figure 2-4).

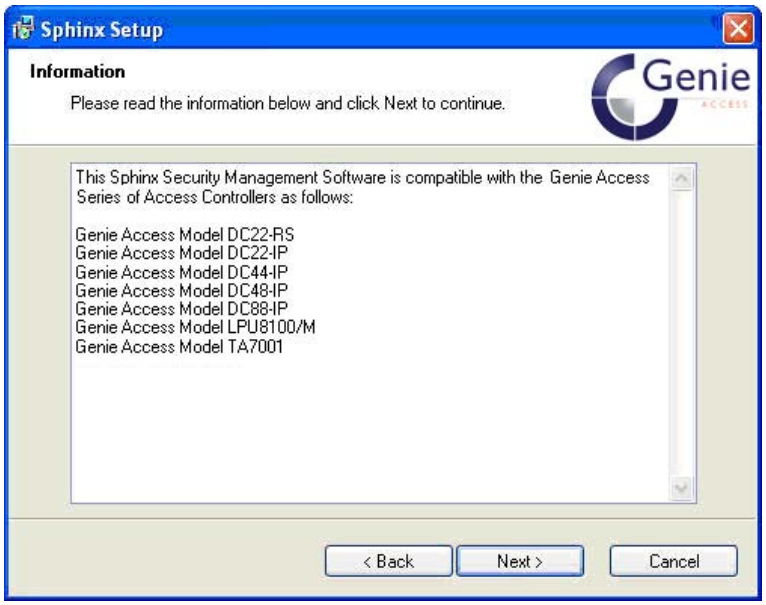
Sphinx Setup
Information
Please read the information below and click Next to continue.
Genie
This Sphinx Security Management Software is compatible with the Genie Access Series of Access Controllers as follows:
Genie Access Model DC22-RS
Genie Access Model DC22-IP
Genie Access Model DC44-IP
Genie Access Model DC48-IP
Genie Access Model DC88-IP
Genie Access Model LPU8100/M
Genie Access Model TA7001
< Back
Next >
Cancel

Figure 2-4

Open the "SN.txt file" (Figure 2.5).

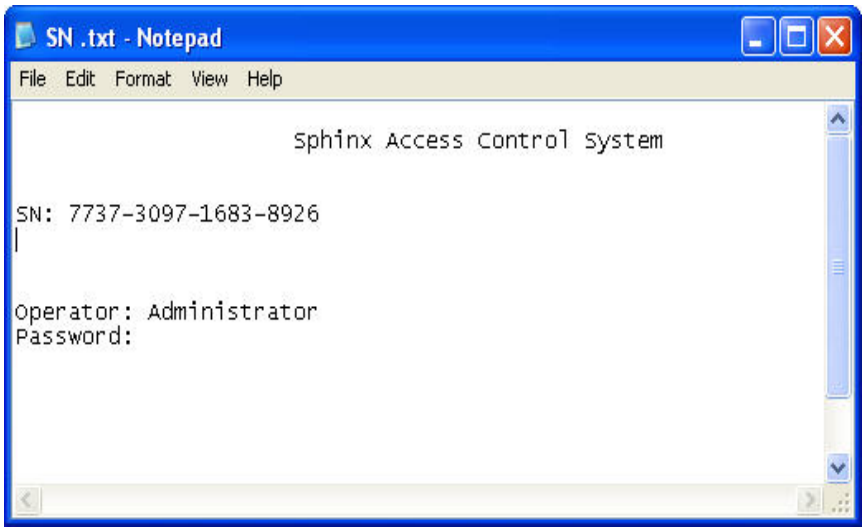

Figure 2-5

Genie CCTV Ltd
CCTV House, City Park, Watchmead, Welwyn Garden City, Hertfordshire,
AL7 1LT, United Kingdom
Tel: +44 (0)1707 330541 Fax: +44 (0)1707 330543 Website: www.genieaccess.com

Copy and paste the serial number from "SN.txt" file into the space provided (Figure 2-6). Click "Next" to continue.

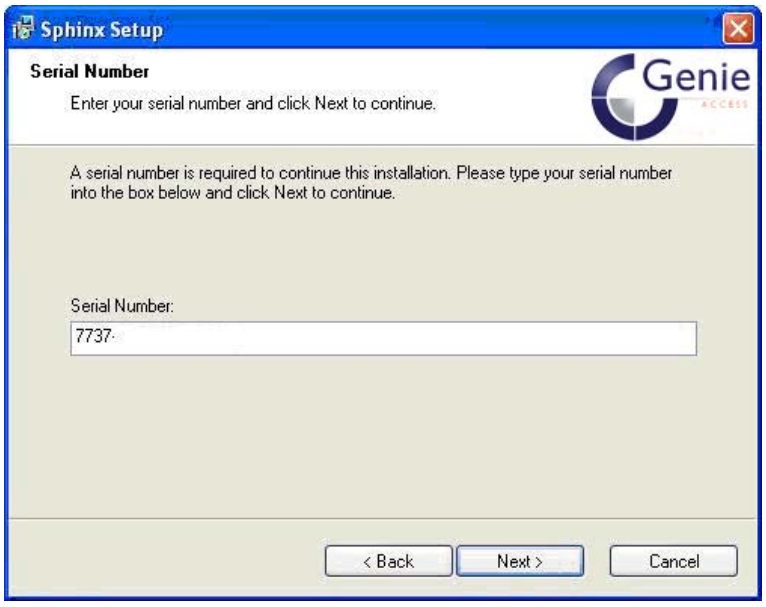
Sphinx Setup
Serial Number
Enter your serial number and click Next to continue.
Genie
A serial number is required to continue this installation. Please type your serial number into the box below and click Next to continue.
Serial Number:
7737-
< Back
Next >
Cancel

Figure 2-6

Accept the default location then click "Next" to continue (Figure 2-7).

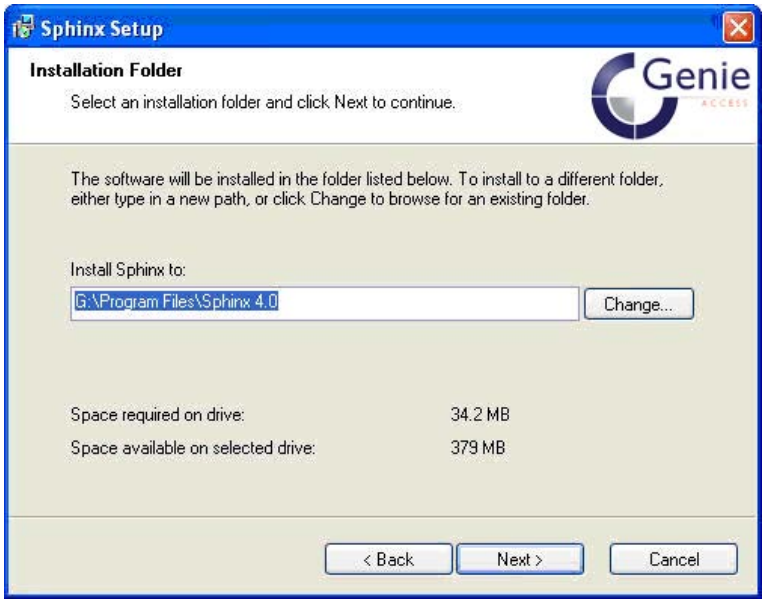
Sphinx Setup
Installation Folder
Select an installation folder and click Next to continue.
Genie
The software will be installed in the folder listed below. To install to a different folder, either type in a new path, or click Change to browse for an existing folder.
Install Sphinx to:
G:\Program Files\Sphinx 4.0
Change...
Space required on drive:
34.2 MB
Space available on selected drive:
379 MB
< Back
Next >
Cancel

Figure 2-7

Accept the default shortcut folder then click "Next" to continue (Figure 2-8).

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CCTV House, City Park, Watchmead, Welwyn Garden City, Hertfordshire,
AL7 1LT, United Kingdom
Tel: +44 (0)1707 330541 Fax: +44 (0)1707 330543 Website: www.genieaccess.com

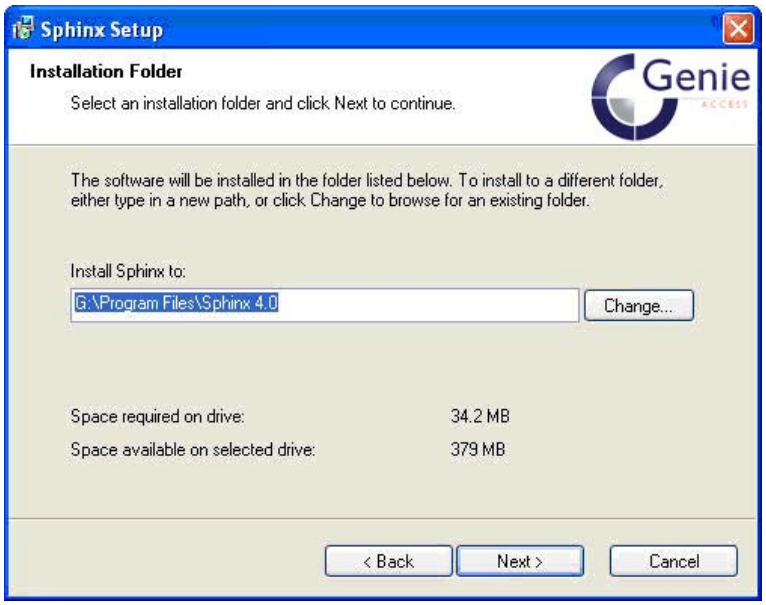
Sphinx Setup
Installation Folder
Select an installation folder and click Next to continue.
Genie
The software will be installed in the folder listed below. To install to a different folder, either type in a new path, or click Change to browse for an existing folder.
Install Sphinx to:
G:\Program Files\Sphinx 4.0
Change...
Space required on drive: 34.2 MB
Space available on selected drive: 379 MB
< Back
Next >
Cancel

Figure 2-8

Check that the details are correct then click "Next" to continue (Figure 2-9).

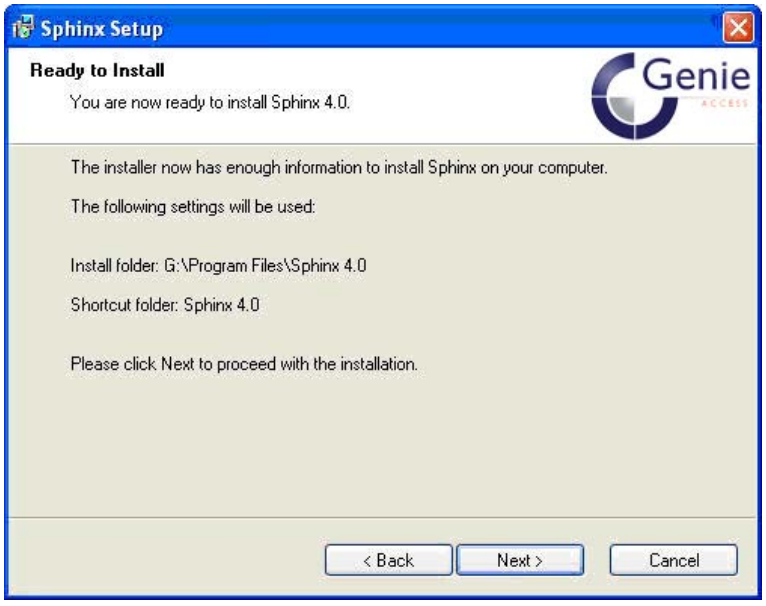
Sphinx Setup
Ready to Install
You are now ready to install Sphinx 4.0.
Genie
The installer now has enough information to install Sphinx on your computer.
The following settings will be used:
Install folder: G:\Program Files\Sphinx 4.0
Shortcut folder: Sphinx 4.0
Please click Next to proceed with the installation.
< Back
Next >
Cancel

Figure 2-9

Sphinx 4 will ask "Would you like to install the Dongle driver?" (Figure 2-10)

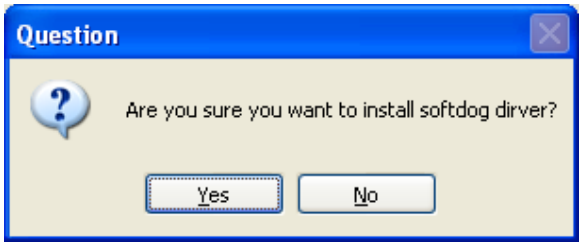

Figure 2-10

If you have not installed the Dongle driver on the current PC yet, click "YES".
The screen if Figure 2-11 will be opened. Check the 2 check boxes as seen in the Figure
And click "Install Driver"

Please Note:

- Sphinx Server needs a dongle; user should install the dongle driver into the Server PC.
- Sphinx Client does not need a dongle. There is no need to install the dongle driver to Client PC.
- If you user is using only 1 PC for running Sphinx 4, user needs to install the dongle driver to the PC.

Figure 2-11

Once the installation is finished Figure 2-12 will appear. Click Exit to finish.

Figure 2-12

When the software has finished the installation click "Finish" to exit (Figure 2-10). Note that the I-CON Sphinx 4 icon is automatically added to the desktop.

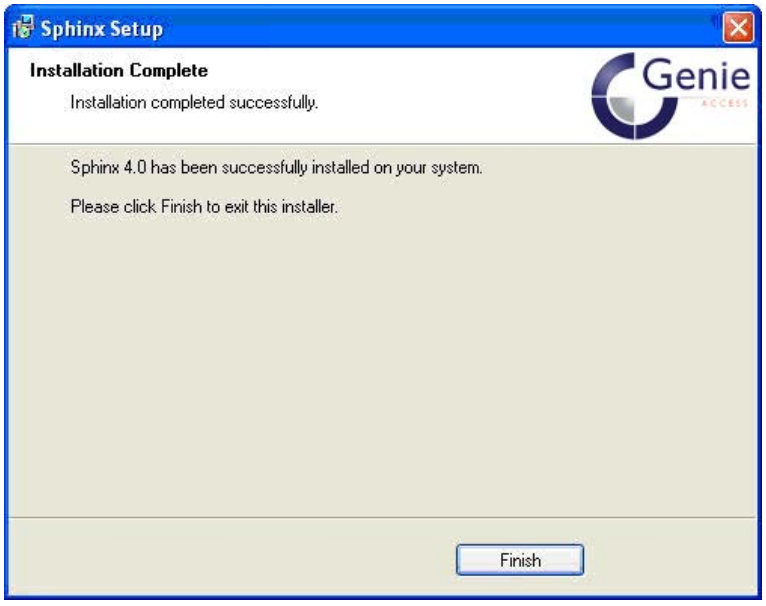

Figure 2-10

Please note, if the software is reinstalled for any reason then all files with the exception of the actual database will be overwritten. Regardless the above, users should backup the database prior to any installation of a new version.

Chapter 3 System Setup

3.1 Opening the Software

Make sure the PC is directly connected to the I-CON access controller or to the converter in the case of RS-232/485 connection or is on the TCP/IP network if a TCP/IP connection to the controller is being used. Click on the "Sphinx 4 Desktop Icon", (Figure 3-1) or Click "Start, Programs, Sphinx 4, Sphinx 4 Access Control System", to load the software.

Figure 3-1

3.2 Selecting the Language

Select the language preferred and click "OK" to continue. Note that this screen is only shown once, however the language can also be changed from within the software (Section 7.7).

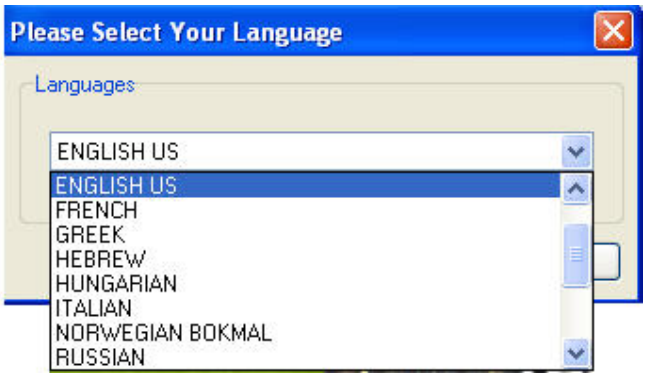

Figure 3-2

3.3 Selecting the Database

An error message will now appear saying that the software cannot find the database (Figure 3.3). Click "OK" to proceed.

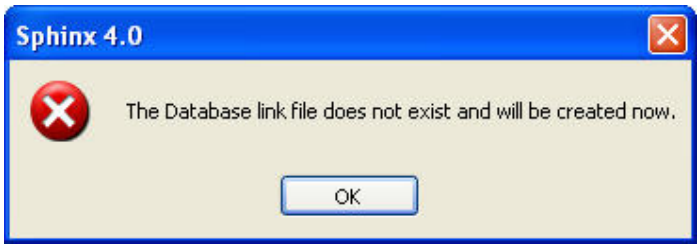

Figure 3-3

Select the database you wish to use then click "Next" to proceed (Figure 3-4). Note that the

database can also be changed from within the software (refer to Section 7.8).

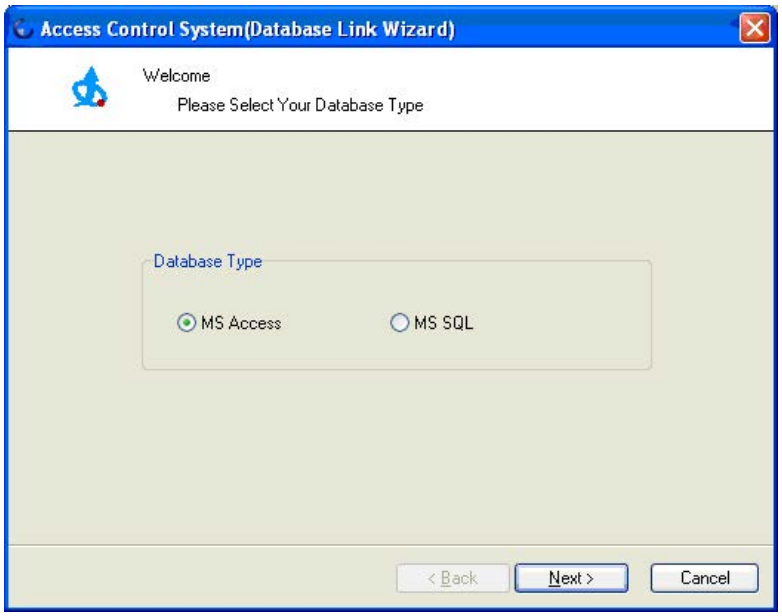

Figure 3-4

3.4 MS Access Setup

If MS Access has been selected as the preferred database, then proceed with this section. If MS SQL has been selected as the preferred database then proceed directly to Section 3.5.

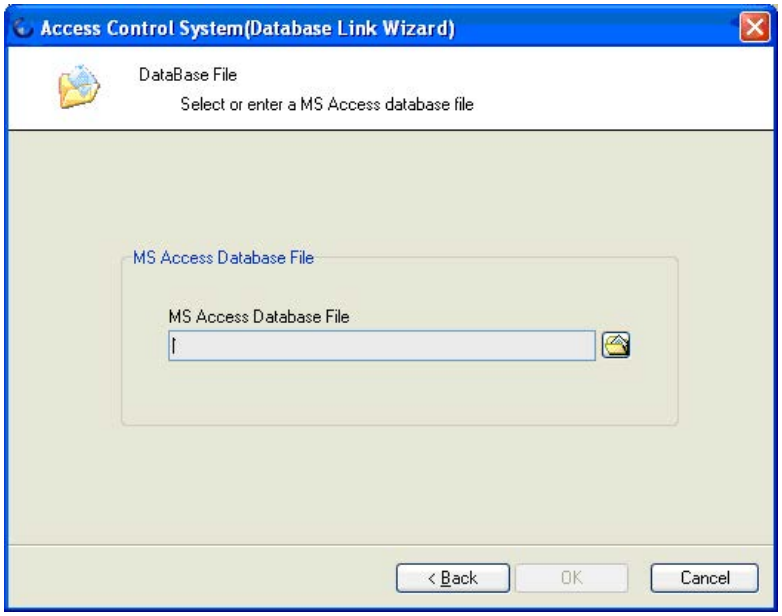

Figure 3-5

Select the database file path (Figure 3-5), then click "OK" to proceed to the next screen. Normally this will be "C:\Program Files\Sphinx 4.0\Data\SphinxDB.mdb" (Figure 3.6).

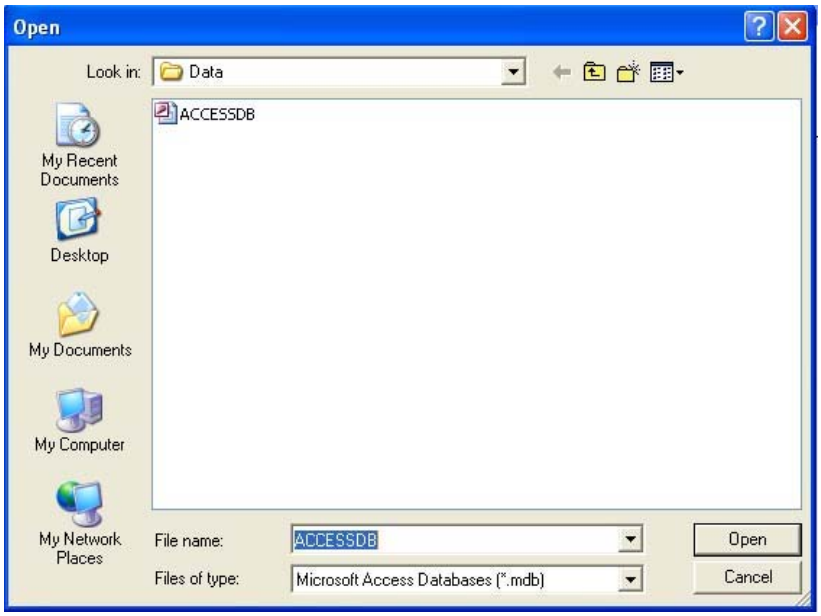

Figure 3-6

Click "Open" to proceed to the Registration screen.

Please turn to Section 3-6 to complete the software registration process.

3.5 MS SQL Setup

This section sets up Microsoft SQL as the database. Before you select the "MS SQL" option, please ensure that you have an available SQL Server running (Figure 3-7).

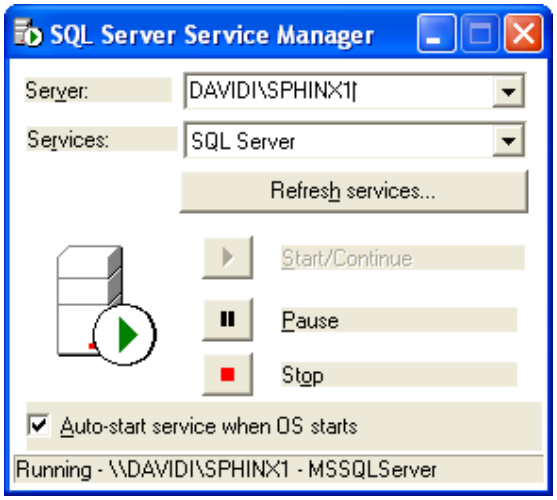

Figure 3-7

The MS SQL Connection Settings box appears as Figure 3-8.

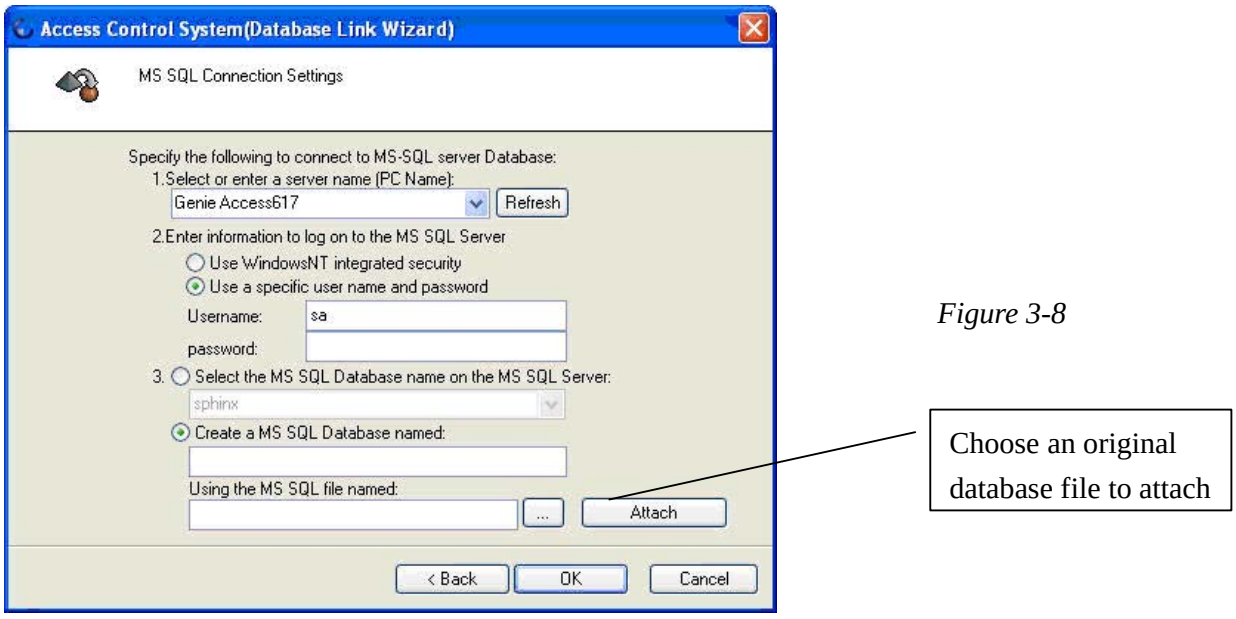
Access Control System(Database Link Wizard)
MS SQL Connection Settings
Specify the following to connect to MS-SQL server Database:
1.Select or enter a server name (PC Name):
Genie Access617
Refresh
2.Enter information to log on to the MS SQL Server
Use WindowsNT integrated security
Use a specific user name and password
Username:
sa
password:
3. Select the MS SQL Database name on the MS SQL Server:
sphinx
Create a MS SQL Database named:
Using the MS SQL file named:
...
Attach
< Back
OK
Cancel
Choose an original database file to attach

Figure 3-8

The 1st step is to select a server name. This is the name of the PC that is running SQL. In the example above the server name is DAVIDI (Figure 3-7 and Figure 3.8).

The 2nd step is to select how to login to the SQL Server. The default is to use WindowsNT integrated security although there is a user name and password option. Contact the IT Department for advice.

The 3rd step is to select the database name and location. The 1st time this screen is accessed, the user needs to tick the "Create a MS SQL Database named:" option, then enter the required database name in the space below, then browse to attach the database to the SQL Server, see figure 3-9 for the default database which is found at C:\Program Files\Sphinx 4\Data\. If there is another database in the SQL Server that you wish to use then that can be selected instead.

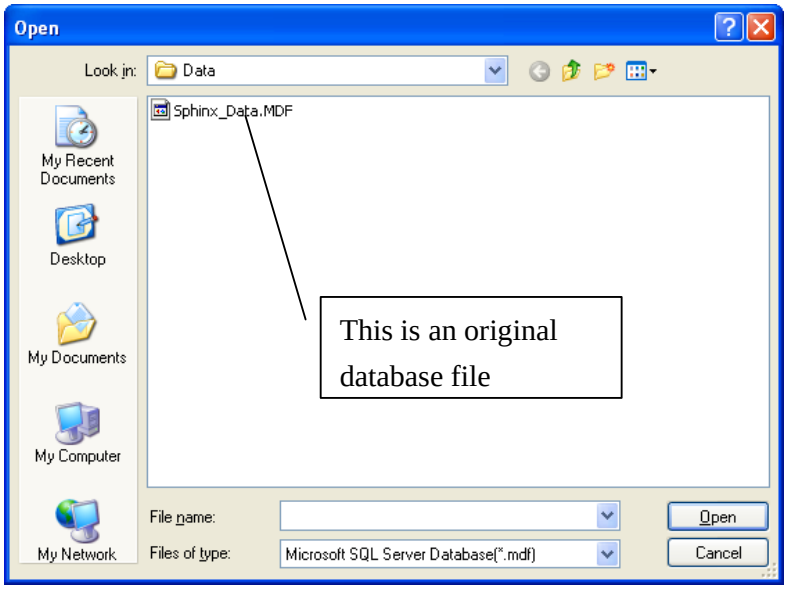

Figure 3-9

Once this screen is completed then click the "Attach" button. If the database has been attached successfully and tests correctly then the "Database attached successfully" box will appear (Figure 3-10).

After the initial setup and once the database has been attached, the database will appear in the drop down menu at Step 3 (Figure 3-8). There is no need to search a second time unless a different database is to be attached.

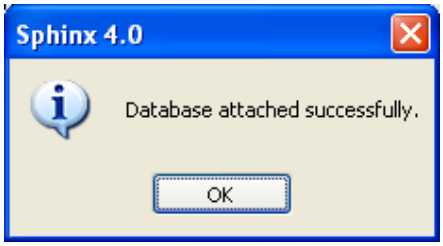

Figure 3-10

Click "OK" and then click "OK" in the screen of Figure 3-8.

The main logon screen will now appear. The default user is "Administrator" and by default no password is needed, however, it's recommended to assign a password later. (Figure 3.11).

Figure 3-11

Genie CCTV Ltd
CCTV House, City Park, Watchmead, Welwyn Garden City, Hertfordshire,
AL7 1LT, United Kingdom
Tel: +44 (0)1707 330541 Fax: +44 (0)1707 330543 Website: www.genieaccess.com

Once logged in, the main window will appear as in Figure 3.12.

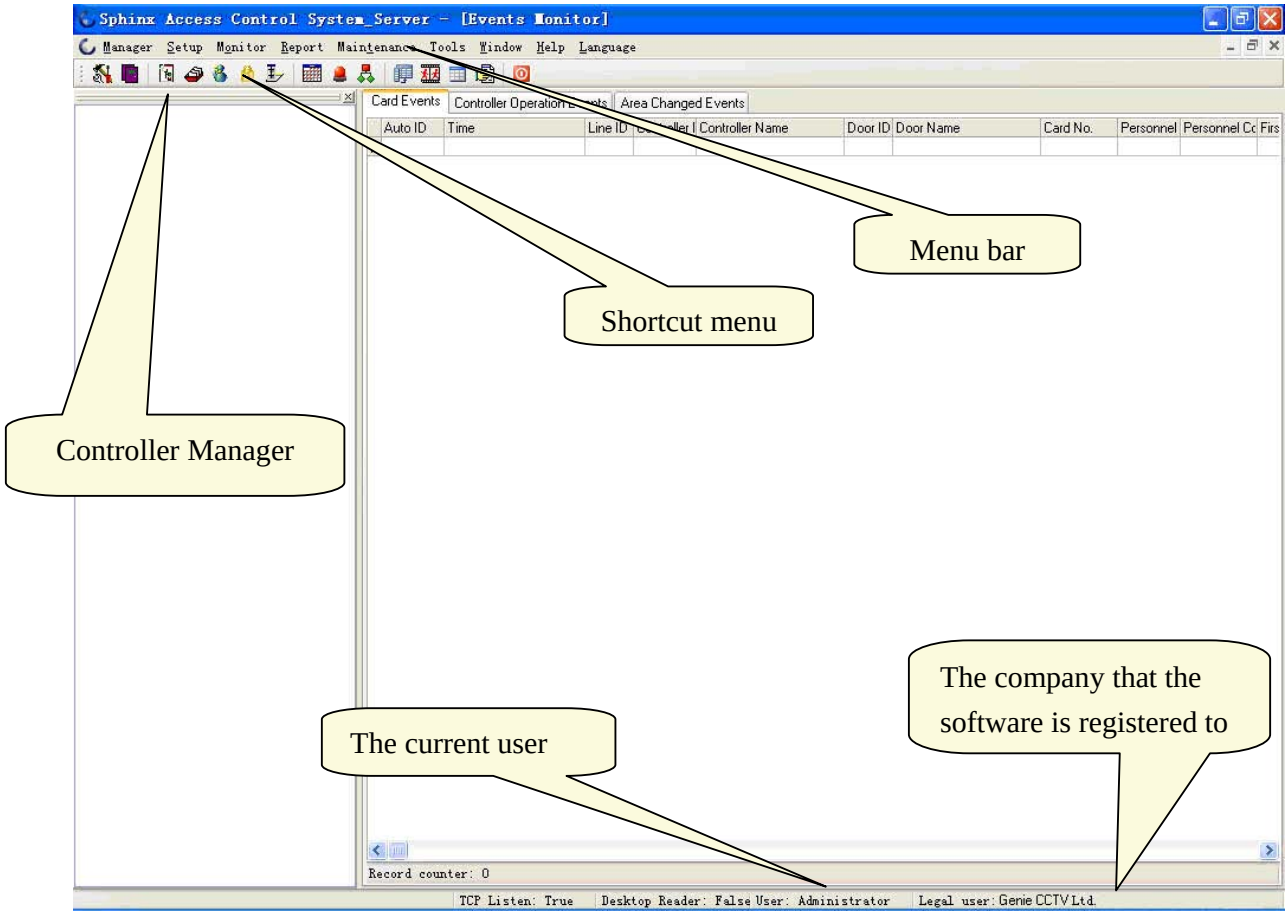

Figure 3-12

Chapter 4 Setup Quick Reference & Troubleshooting

4.1 Setup Quick Reference

Connect the all necessary cables and power up the controller (see Hardware Manual).

Setup the controller and any converter addresses (see Hardware Manual)

Install and register the software selecting the language and the database type (Section 3).

Load the I-CON Sphinx 4 software and undertake the following:

i. Setup the communication port (Section 7.-8, Communication Configuration).
ii. Search the Controllers (Section 8.7.1.1.1).
iii. Setup the parameters of each door including Time Table (Section 7.1.4).
iv. Setup Departments and Sub Departments (Section 6.5.1).
v. Add a Wiegand Format, if not already added (Section 7.6).
vi. Add a Personnel, its card and grant him Access Level(Section 7.2.2.1).

Flash the Personnel card to a reader of a door which he has the Access Level to enter. The Lock relay should operate and a "Valid Card" event will appear in the "Events Monitor" (Section 9.1). If "Invalid Card" or "Invalid Time/Door" event appears please check the Access Level (communication is working). T

4.2 Troubleshooting

If no event appears in the "Events Monitor" screen then the software is not receiving events from the controller. Check that all connections are correct and that the RS-232/485 lights adjacent to the RS-232/485 connector block are flashing (for RS-232/485 communication) or that the two TCP/IP indicator lights at the bottom of the PCB are flashing (for TCP/IP communication). If no lights are flashing then there is no valid connection to the software. Check the wiring and communication port setup in the software, refer Sections 7.8, 8.7.1.1 .

Note that if you are using a USB to RS-232 serial port adaptor cable, Windows allocates different Com Port addresses depending upon the USB port that the adapter is plugged into. To see what Com Port Windows has allocated, plug in the adaptor to a USB port and open Device Manager. This can be done by right clicking on the "My Computer" icon on the desktop and selecting "Manage" from the drop down menu. (Figure 4-1) The Computer Management screen, (Figure 4-2) will appear.

Figure 4-1

From the Computer Management screen (Figure 4-2), click on Device Manager in the left hand column then click on Ports in the right hand panel. Take note of the Com Port that Windows has allocated (Figure 4-2). If the Ports option does not appear in the right hand panel then Windows is not recognizing the Com Port. Make sure that the correct drivers that came with the USB to Serial adaptor have been loaded. The Com Port listed in Device Manager must be the same as the Com Port specified in the software under COM Port Settings, see Section 8.7.1.1 Please also make sure the Desktop reader COM Port is not set to the same COM Port
(Section7.8) or it will conflict and block the controller.

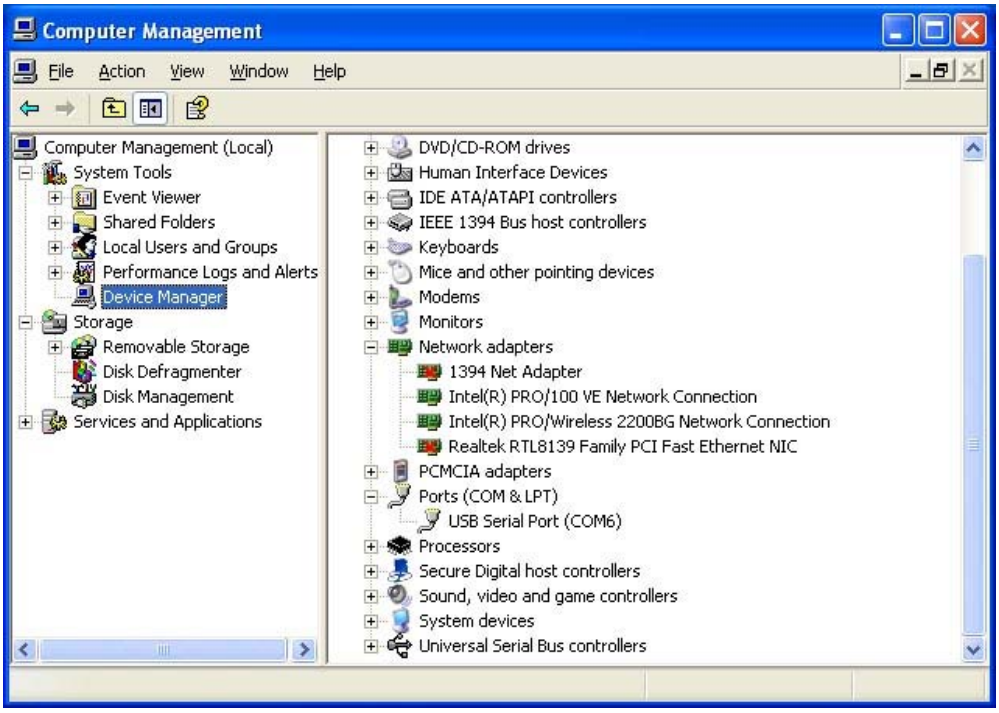
Computer Management
File Action View Window Help
Computer Management (Local)
System Tools
Event Viewer
Shared Folders
Local Users and Groups
Performance Logs and Alerts
Device Manager
Storage
Removable Storage
Disk Defragmenter
Disk Management
Services and Applications
DVD/CD-ROM drives
Human Interface Devices
IDE ATA/ATAPI controllers
IEEE 1394 Bus host controllers
Keyboards
Mice and other pointing devices
Modems
Monitors
Network adapters
1394 Net Adapter
Intel(R) PRO/100 VE Network Connection
Intel(R) PRO/Wireless 2200BG Network Connection
Realtek RTL8139 Family PCI Fast Ethernet NIC
PCMCIA adapters
Ports (COM & LPT)
USB Serial Port (COM6)
Processors
Secure Digital host controllers
Sound, video and game controllers
System devices
Universal Serial Bus controllers

Figure 4-2

Chapter 5 Main Operating Screen

5.1 Logon

To log onto the software, click on the "Sphinx 4 desktop icon (Figure 5-1), or Click "Start", "Programs", "Sphinx 4.0", "Sphinx 4.0 Access Control System" to load the system software. The main logon screen will now appear (Figure 5.2).

Figure 5-1

Logon with the default "Administrator" user or click the arrow to the right of the User name to logon with a different user. The default user is "Administrator and by default there is no password. Note that any additional users must first be setup as detailed in Chapter 6.

Figure 5-2

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AL7 1LT, United Kingdom
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Once logged in, the main Sphinx 4 window will appear (Figure 5-3). This window has a Menu Bar, Shortcut Menu, it shows the Authorized User, i.e. the company that the software is licensed to and the Current User.

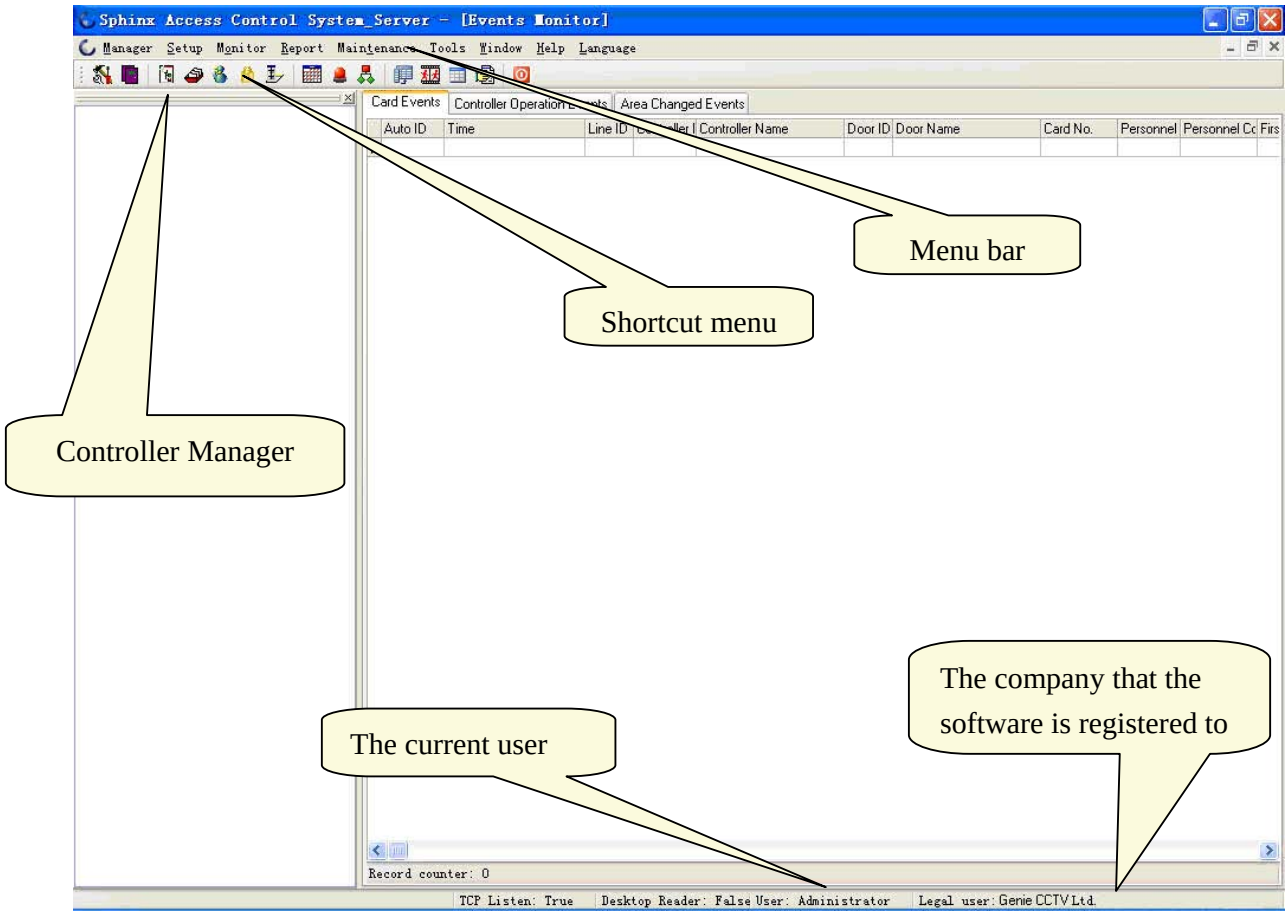

Figure 5-3

5.2 Menu Bar

The Menu Bar allows access to the entire program via a series of Sub-Menus. The Main Menu consists of the following: (Figure 5-4)

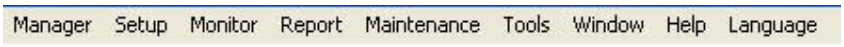

Figure 5-4

5.3 Tool Bar

The Tool or Icon Bar contains the most common icons, as follows: (see figure 5-5).

- ✓ Controller Configuration
- ✓ Doors Configuration
- ✓ Organization Structure
- ✓ Cards List
- ✓ Personnel List
- ✓ Access Level
- ✓ Lift Access Level
- ✓ Holiday Setup
- ✓ Event Alerts
- ✓ Flow Control
- ✓ Multi Site Setup
- ✓ Events Monitor
- ✓ Multi View
- ✓ Cards Events Filter
- ✓ Exit

Figure 5-5

Chapter 6 Manager Sub-Menu

Select "Manager" from the main Menu Bar.

6.1 User Accounts

The I-CON Sphinx 4 Security Management Software allows multiple users (software operators) simultaneously and can give each user a different level of access. Only the System Manager (Administrator) can add or delete the users and modify/add/delete user's permissions. It is important the installer will set up individual users, as users logging is achieved through the individual users. The password length can be up to 20 digits and include any keyboard characters. Note that a user cannot edit himself.

The main User Accounts screen now appears (Figure 6-1). Note that initially there is only a single user called "Administrator" with an "Administrator" Permission Set.

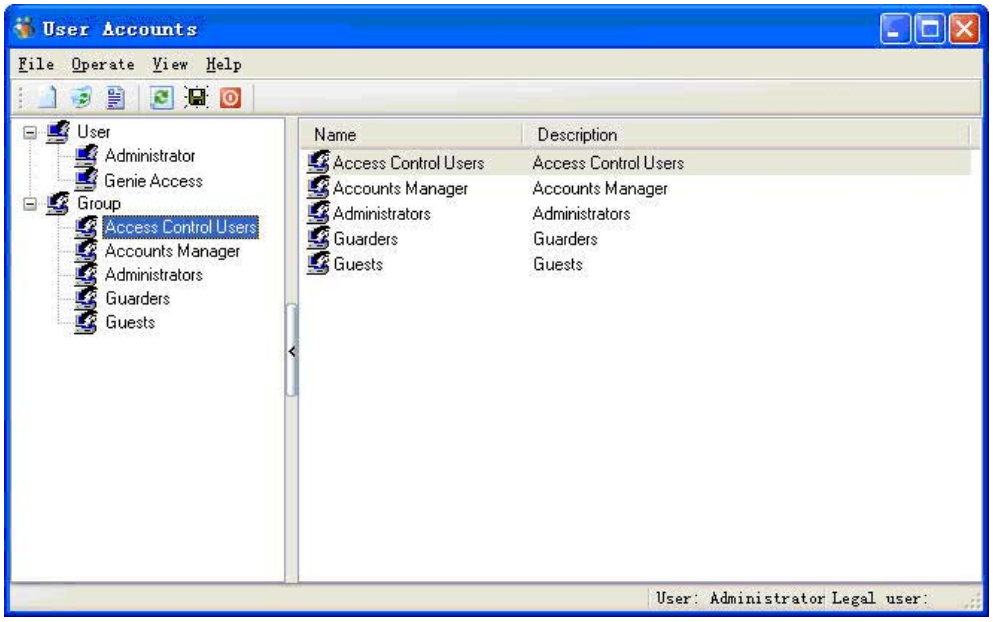

Figure 6-1

Before creating a User we will need to create a Group the user belongs to or use one of the default 5 groups : Administrators, Access Control Users, Accounts Managers, Guarders, Guests. Every User needs to belong to a Group. The Group grants the privileges to the kind of operations, functions, and configurations the User will be able to perform in the system. On top of this when defining the User we will specify to which controllers/doors and departments/sub departments the privileges inherited from the Group will apply.

6.1.1 Adding a Group

Adding a Group – Select the "Group" list on the left part and click the "Create a New Group" button (Figure 6-2). The screen of Figure 6-3 will be opened.

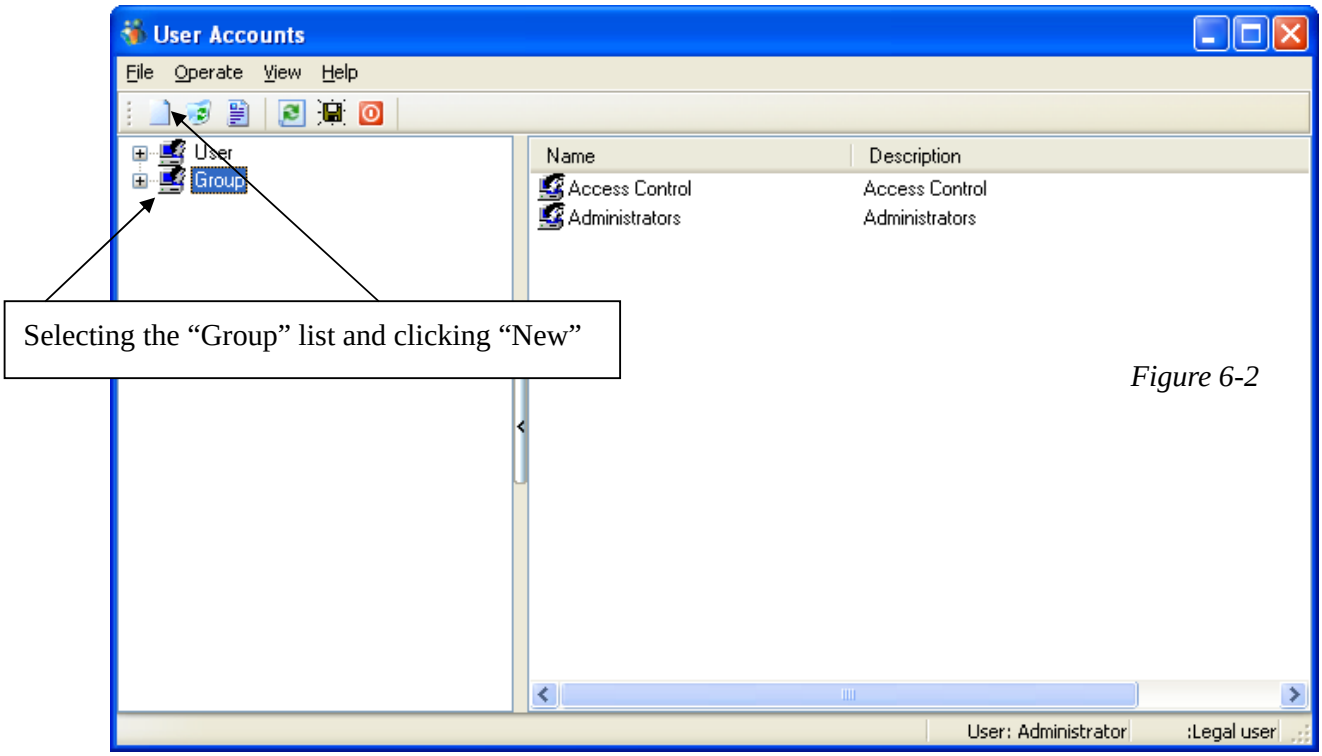

Figure 6-2

Enter details for the new Group. You may add existing Users to the Group (Figure 6-4).

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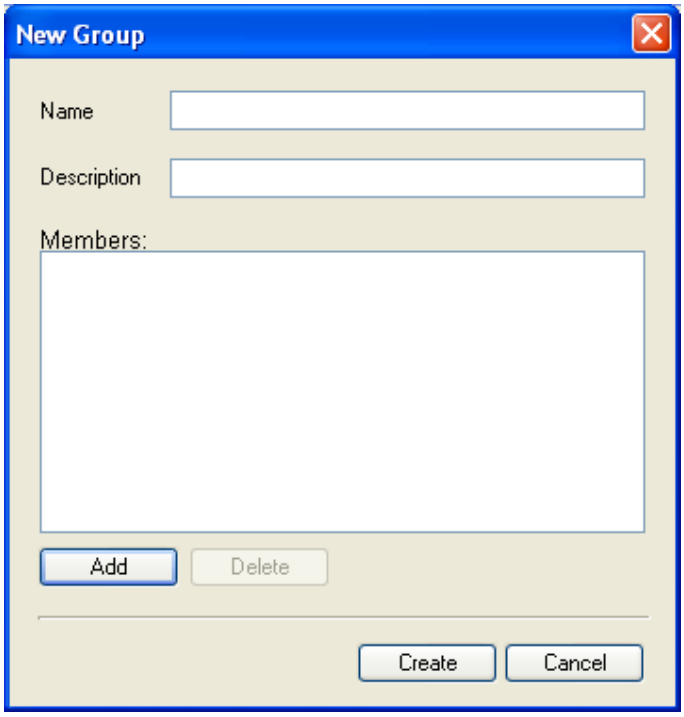

Figure 6-3

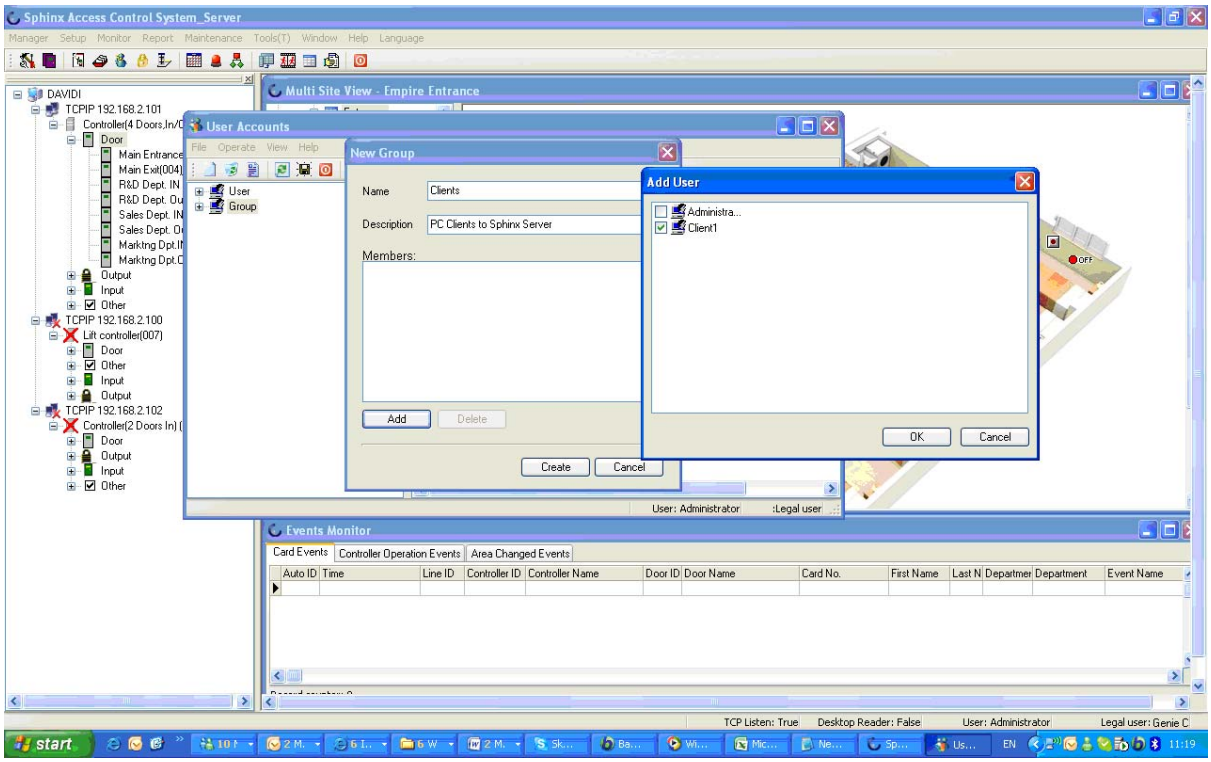

Figure 6-4

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Continue to Editing the new created Group in Section 6.1.2

6.1.2 Editing a Group

After creating the Group we need to give it the Privileges. Select the Group and click on the Edit icon (Figure 6-5).

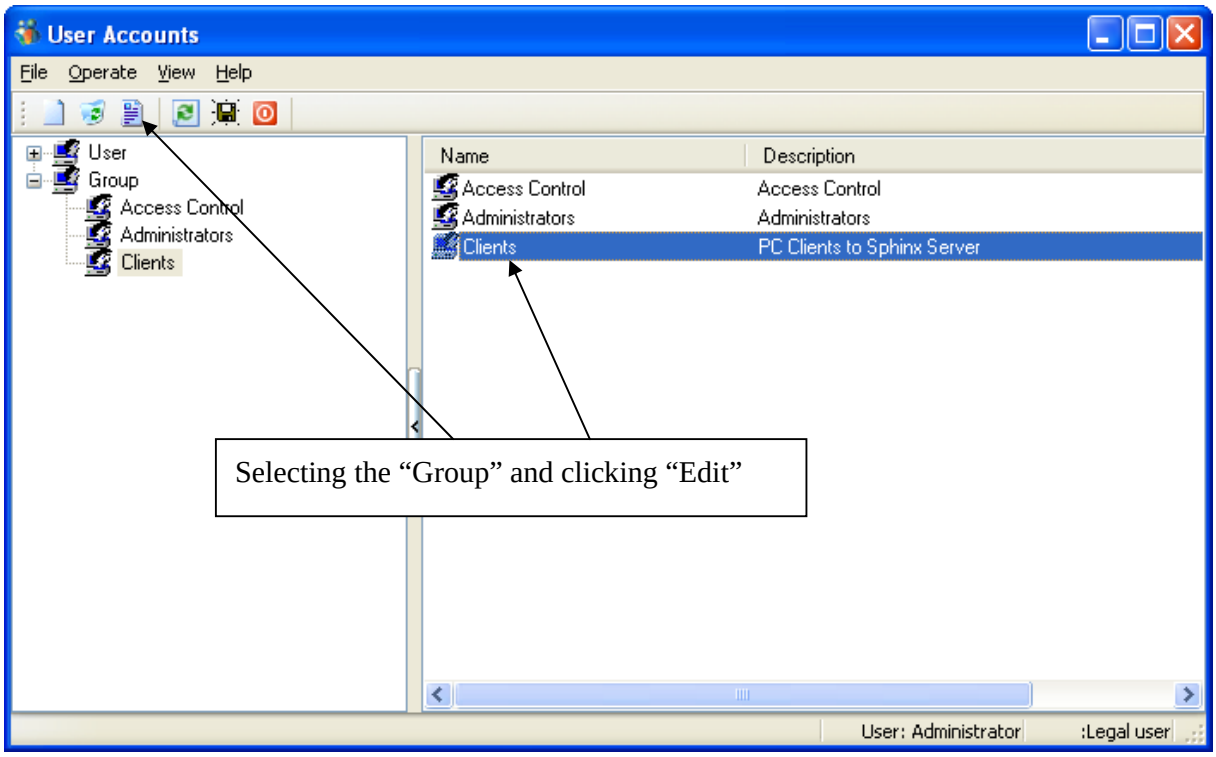

Figure 6-5

Click on the "Group Right" tab. The screen in Figure 6-6 will be opened.

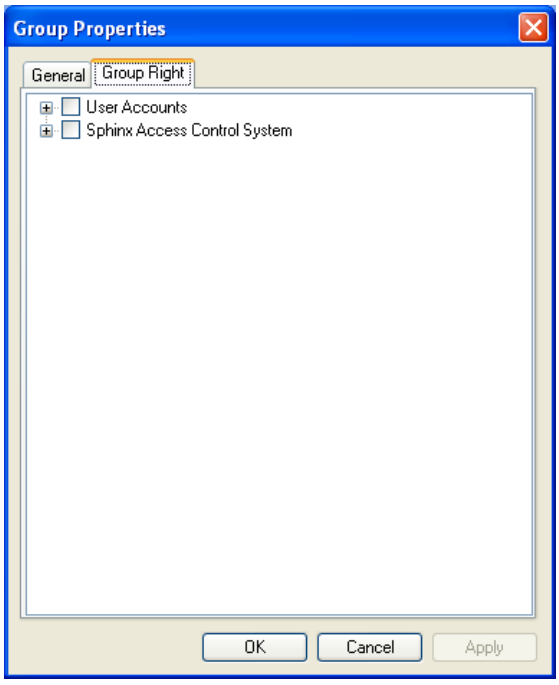

Figure 6-6

The Group can have 2 types of Rights (Privileges): User Accounts, Sphinx Access Control System. **User Accounts** means the new Group members will be able to use the User Accounts module for creating other Groups/Users and granting them privileges (the same module we are in now).

Sphinx Access Control System means granting the Group the privileges to each one of the Sphinx 4 software features (configuration, operation and monitoring).

Please note you will need to expand the Tree to tick each one of the check boxes. It's not enough just to tick the root check box (Figure 6-7). Please select the Rights (Privileges) you would like to grant.

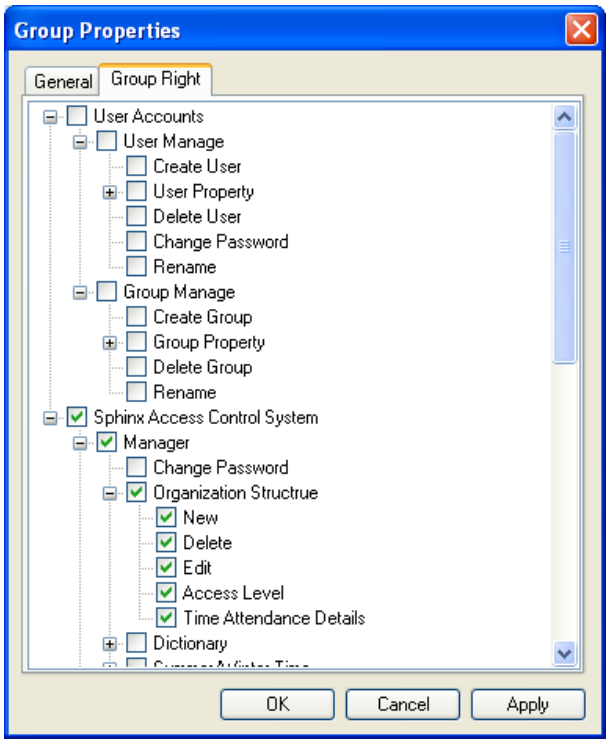

Figure 6-7

6.1.3 Adding a User

Select the "User" list on the left part and click the "Create a New User" button (Figure 6-8)

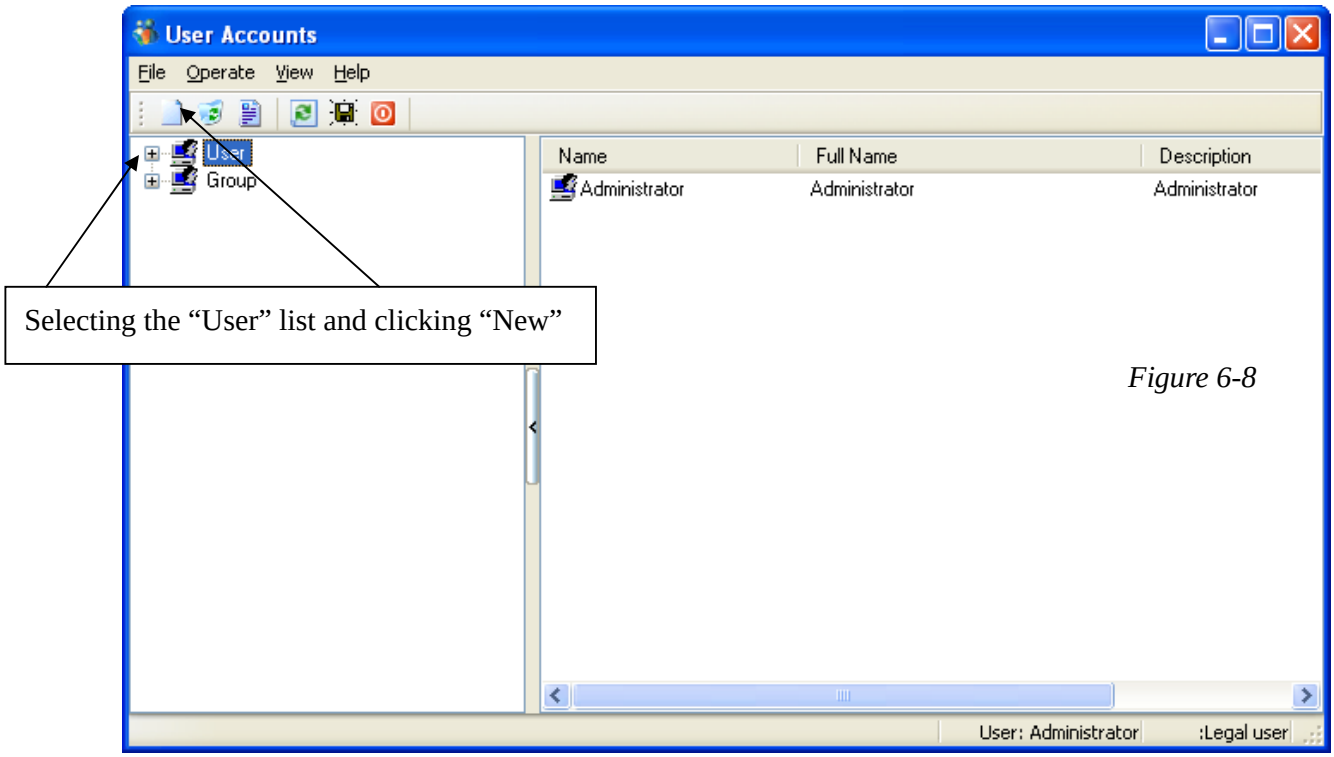

Figure 6-8

The screen in Figure 6-9 will appear. Enter a user name and their password then their password again to confirm. The password length can be up to 20 digits and include any keyboard characters.

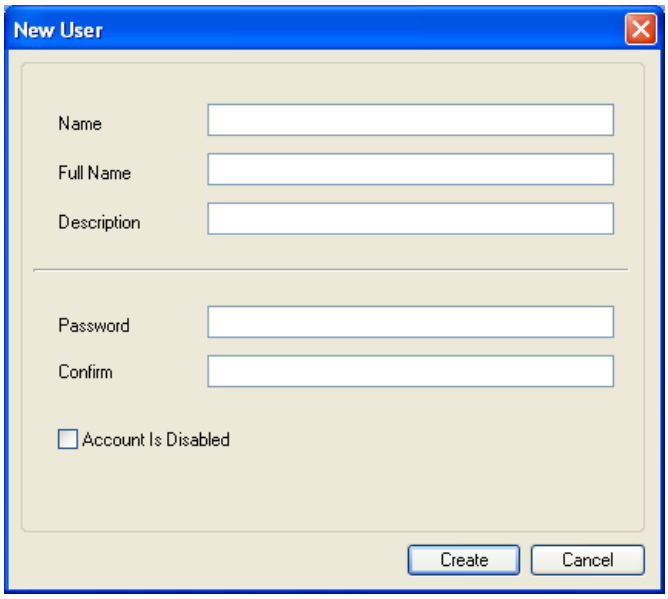

Figure 6-9

6.1.4 Editing a User

Double click on the User or select it and click the "Edit" button. The screen of Figure 6-10 Will opened.

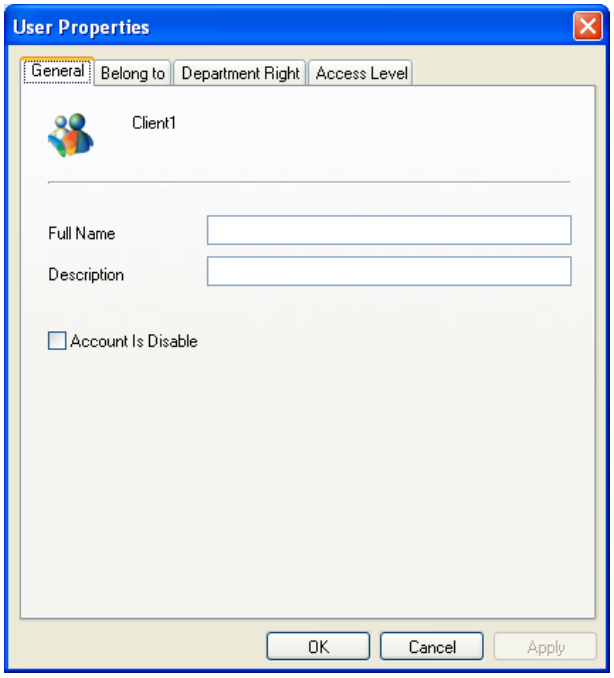

Figure 6-10

Fill in the information in the General tab, select the Group the User will be belonged to in the "Belong To" tab, a User can belong to more than 1 Group.

Tick the Departments and Sub Departments the User will be able to control in the Department Right Tab. Please note that Ticking the Departments check box is not ticking also its Sub Departments check boxes.

We can grant a User the privileges to controller only certain Departments (Figure 6-11).

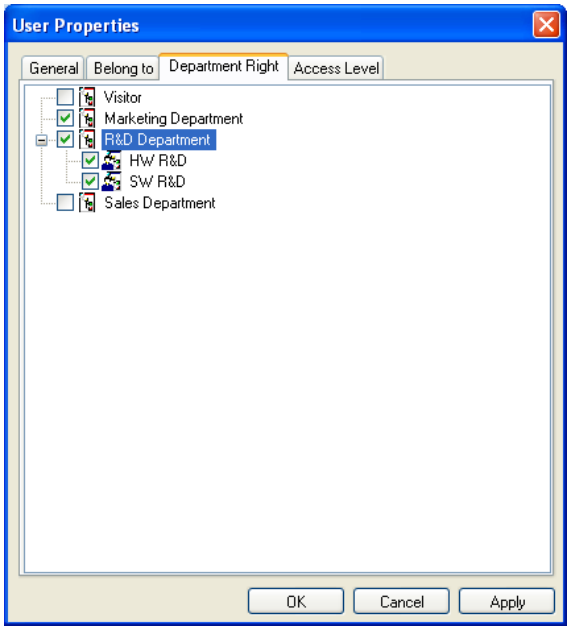

Figure 6-11

Similarly, in the Access Level tab tick the Controllers and Doors this User privileges will apply for. Please note that ticking the Controller check box is not ticking the check boxes of Controllers' Doors. We can allow a User to control only part of the Controllers/Doors (Figure 6-12)

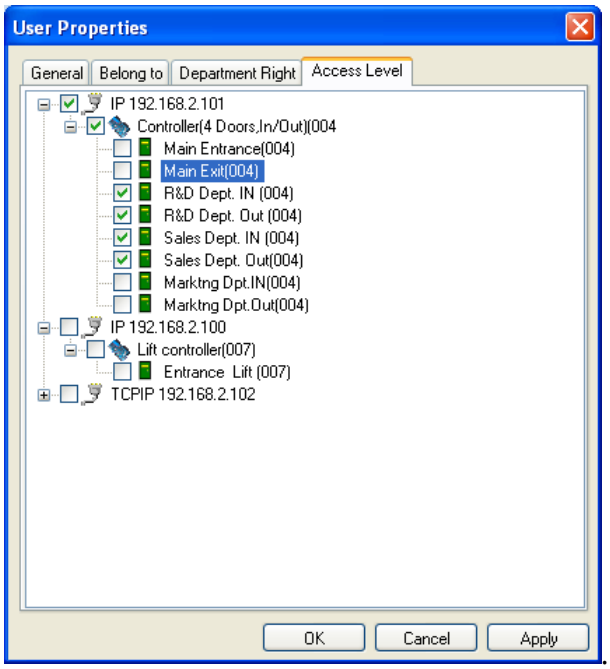

Figure 6-12

6.1.5 Deleting a Group or a User

Selecting the Group or the User and clicking on the "Delete" icon will remove the Group or the User.

When Deleting a User (Figure 6-13) there are 2 options:

1. **Logout User:** remove the User from the User Accounts but keep it in the Database. This means that we can still view this User records in the System Log (see Section 10.7).
2. **Delete User:** The second option is to remove the User completely including from the Database.

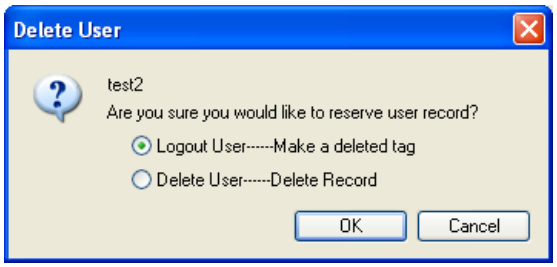

Figure 6-13

6.1.6 Changing User Password

Select a User and then click on Operate -> Setting Password to change a User Password.

6.1.7 Exporting Groups List

Select a Group and Click Operate -> Export List to export the Groups list to a MS-Excel file or TXT.

6.2 Change Password

From the Manager menu click on Change Password, this will allow the current user who is operating Sphinx 4 to change his password. The screen in Figure 6-14 will appear. Input the old password and the new password, then input the new password again for confirmation and click "OK".

Figure 6-14

6.3 Organization Structure

6.3.1 Departments

Select "Manager" on the main menu bar then choose "Organization Structure" from the sub-menu. Clicking on the File menu in the resulting screen (Figure 6-15) will allow additional departments or sub departments to be set up, an existing department to be deleted or to be edited.

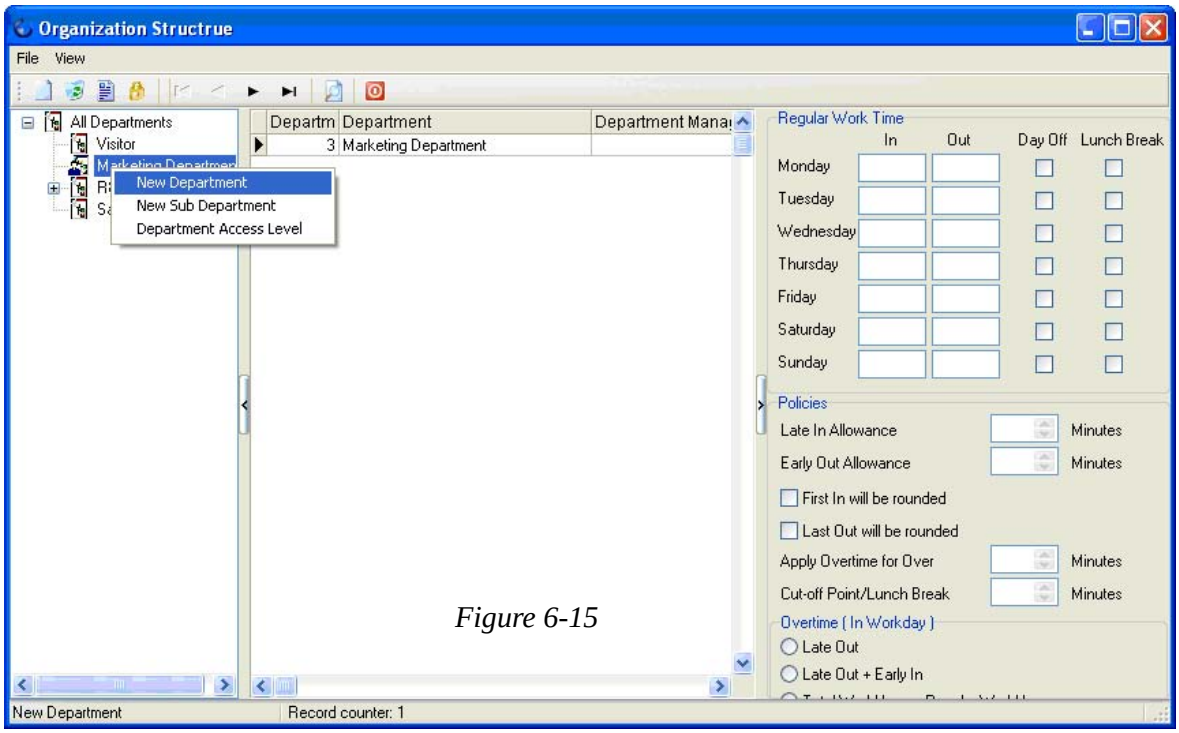

Figure 6-15

Departments may also be further divided into Sub Departments if required.
Departments and Sub Departments, assist us to set a structure and group personnel together.
When clicking "New Department" then a sister Department will be created. When clicking "New Sub Department" a Sub (child) Department will be created.

It can also be used in case our system should be used for a multi company's installation site.
In such case, each company will be a department, and each company department will be a Sub Department.
Sphinx is guiding the user to begin the configuration from the general setup to the detailed one.
This way the setup is performed structurally and easily. Before adding new Personnel to the system we can design first the company structure while grouping the Personnel to Departments.

Department Access Level – we can set to a department or to any sub department the Access Level. If we click on Department/Sub Department name and click on the Access Level icon (golden lock icon) the screen in Figure 6-16 will be opened.

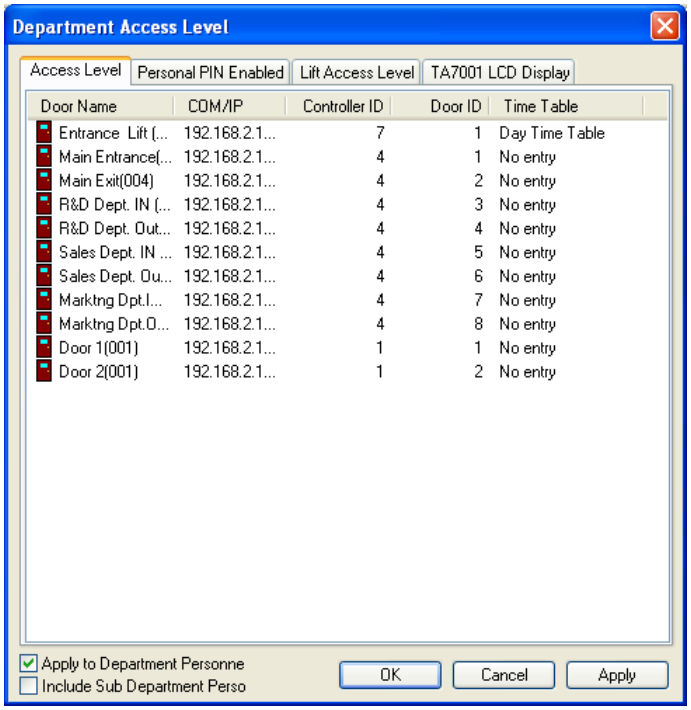

Figure 6-16

Access Level tab refers to the Door Access Level, meaning the time table for each door. The time table will determine in which hours of the week days, a Personnel of this department with a valid

card can open the door.

Personnel PIN Enabled – Which doors the Department Personnel can open with Personal PIN only.
Personal PIN is an 8 digit PIN number once keyed in can open the door (without the need to flash a card).

Lift Access Level – To which floors the Personnel of the Department can access with the lift (elevator).

TA7001 LCD Display – what will be the message displayed on the TA7001 terminal if a Personnel from the Department will flash his card to the TA7001.

The 4 tabs are discussed in more details in Section 8.2.2.1 – Adding Personnel.

In the bottom left corner of Figure 6-16 we can see:

Apply to Department Personnel – The configuration performed in the 4 tabs will apply to all existing Personnel in the Department and not only to future Personnel added to the Department.

Include Sub Department Personnel – The configuration performed in the 4 tabs will apply to all existing Personnel in the Sub Departments of the Department and not only to future Personnel added to the Sub Departments. The configuration will also apply to the department itself.

If "All Departments" are marked and "Access Level" is clicked as in Figure 6-16 the screen of Figure 6-17 will be opened. It is discussed in details in section 8.2.3.

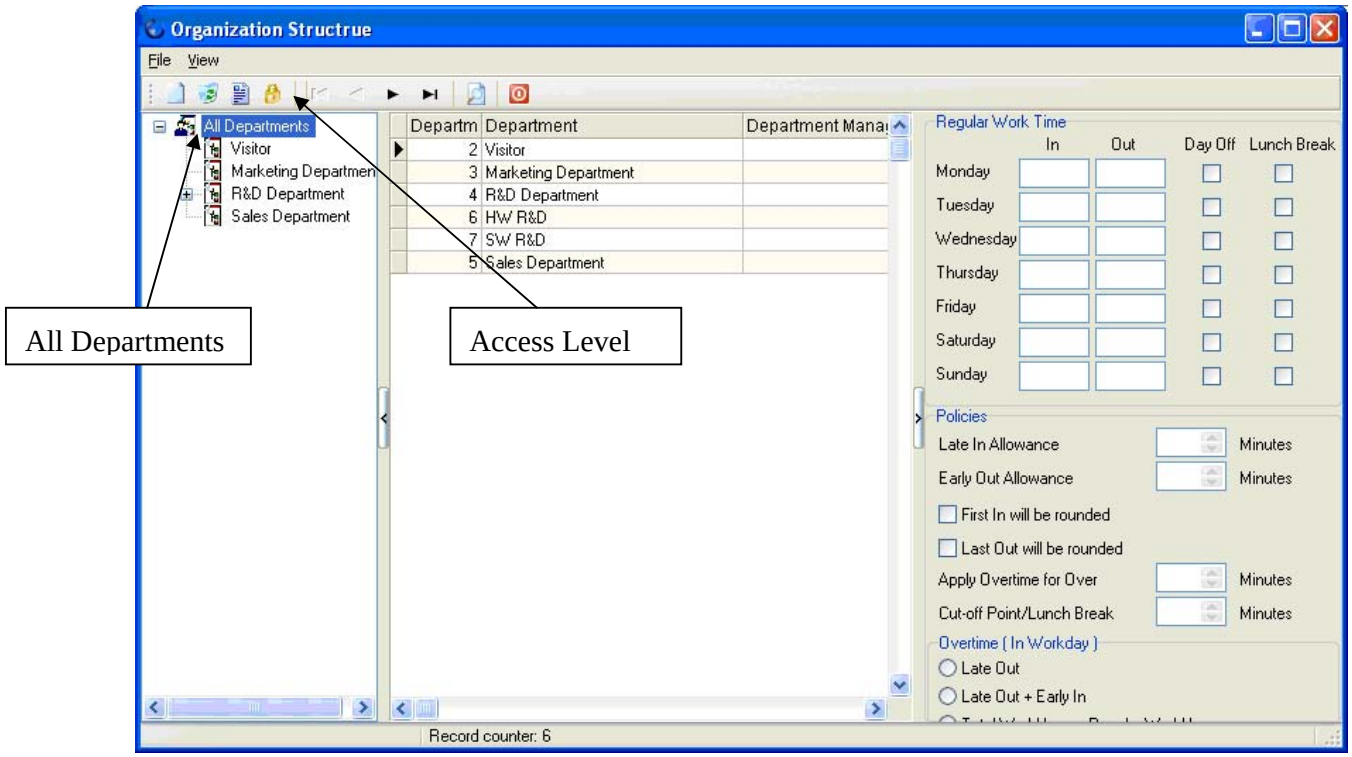
Organization Structrue
File View
All Departments
Visitor
Marketing Departmen
R&D Department
Sales Department
Departm Department Department Mana
2 Visitor
3 Marketing Department
4 R&D Department
6 HW R&D
7 SW R&D
5 Sales Department
Regular Work Time
In Out Day Off Lunch Break
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday
Policies
Late In Allowance Minutes
Early Out Allowance Minutes
First In will be rounded
Last Out will be rounded
Apply Overtime for Over Minutes
Cut-off Point/Lunch Break Minutes
Overtime (In Workday)
Late Out
Late Out + Early In
Record counter: 6
All Departments
Access Level

Figure 6-16

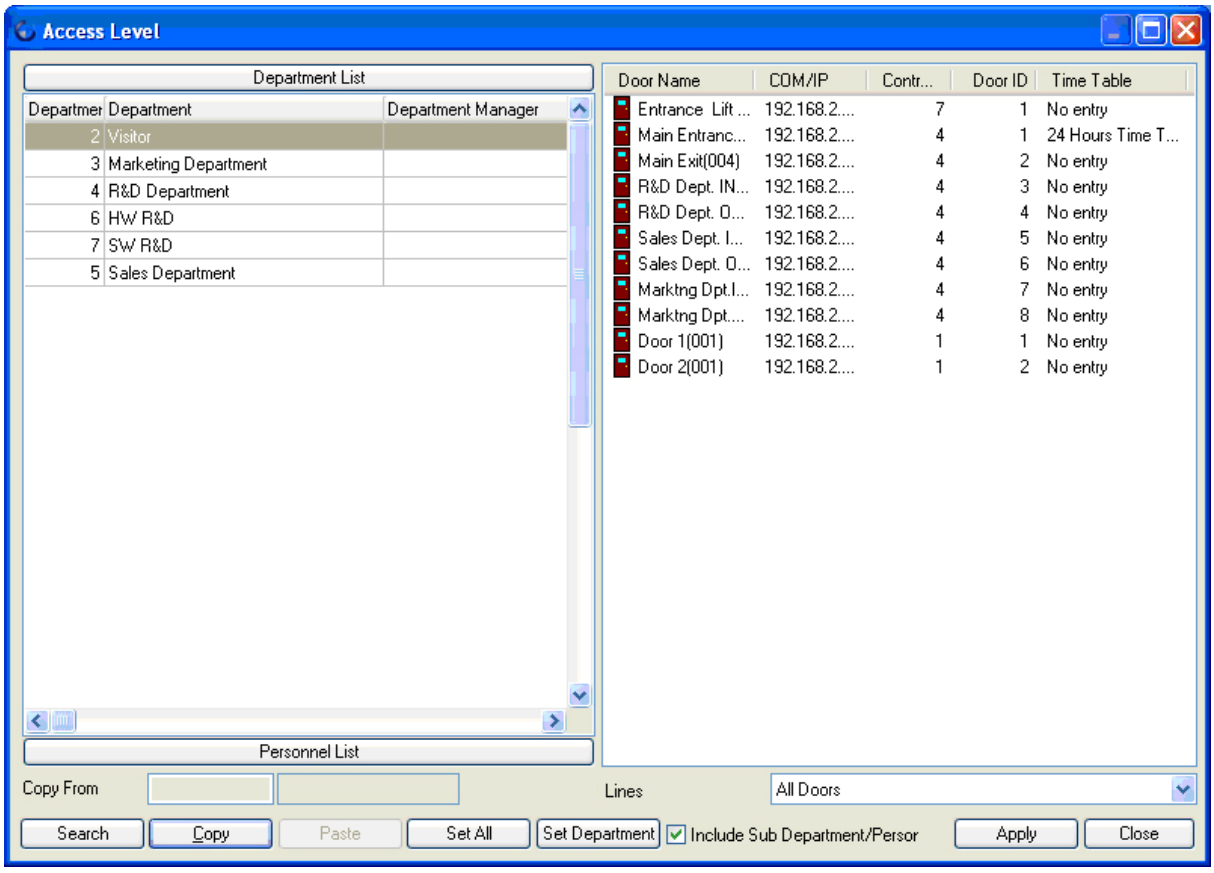

Figure 6-17

6.3.2 T&A Policy

We define the T&A policy for the Department/Sub Department on the right hand part. Each Department/Sub Department can have its own policy (Figure 6-18).

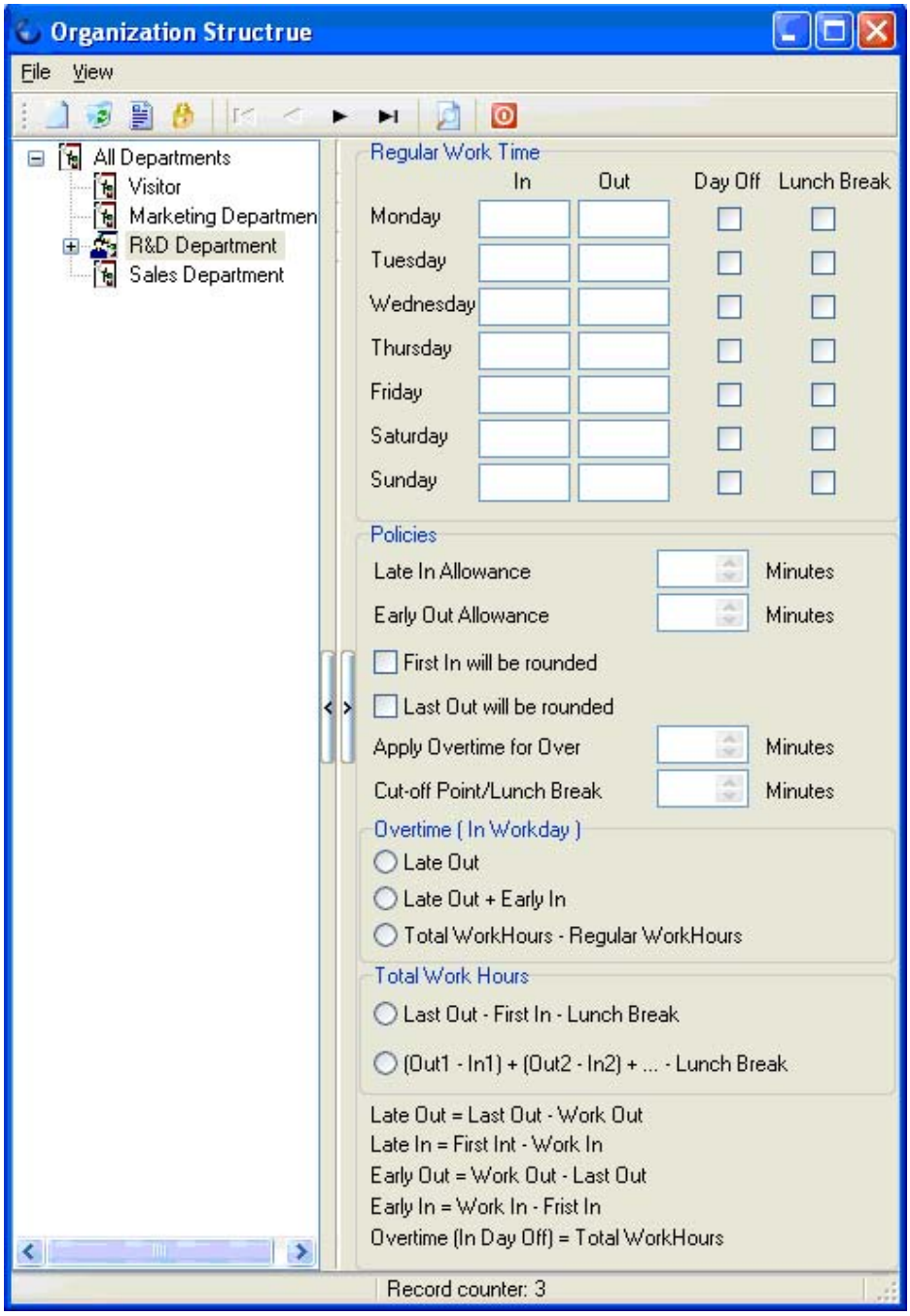

Figure 6-18

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Regular work time - including IN (or Work IN), OUT (or Work OUT), Day Off.

- Based on IN Time and the time Personnel are coming to the office (the time the card event was created) software will calculate Late In (if he/she comes late) or Early In (if he/she comes to the office early).
- Out Time is the time Personnel has left the office. Will be used to calculate Early Out or Late Out similar to Early In and Late In Time.
- Day Off. Sphinx 4 will use Day off to calculate Over Time or Absence.

Late In/Early Out Allowance - The number of minutes coming late or going out early, is allowed. Sphinx will not report the Personnel came late to the office if he arrives at 08:05 while the Work In time is 08:00 and Late In is 15 minutes. The Personnel will be considered late only if he/she came after 08:15. Similarly for Early Out Allowance.

First In/Last Out will be rounded - Check this option if you would like to round the In time if the minutes between In time and Work In are less than Late In Allowance. For example if Personnel arrives the office between 07:45 to 08:15, his In time of that day will be reported as 08:00 if the Allowance is 15 minutes. The rounding will be done similarly for Last Out.

Apply Over time for Over - Sphinx 4 will report a Personnel has worked over time on a day if his/her Over Time of that day is bigger than X minutes, otherwise the Over Time will not be reported. The method to calculate over time is configured in Overtime section. If we set 30 minutes and the Personnel over time is only 20 minutes on that day, the over time will not be counted.

Cut-off point/Lunch break – This period will be deducted from the time the Personnel has worked during the day.

Overtime Policy

We can define if over time will be considered as Late Out only meaning the extra time the Personnel stayed in the office, or Late Out + Early In, meaning adding the extra time of arriving the office before the Regular In time. The third option is the total working hours minus the Regular Working hours.

Total Work Hours

Can be defined as either the Last Out – First In – Lunch Break. In This way we ignore all In/Out during the working day. Alternatively it can be defined as the intervals between the In/Out minus the Lunch Break. We will use this option if we would like to deduct the time the Personnel stayed Out of the office during the working day.

Variable Definition:

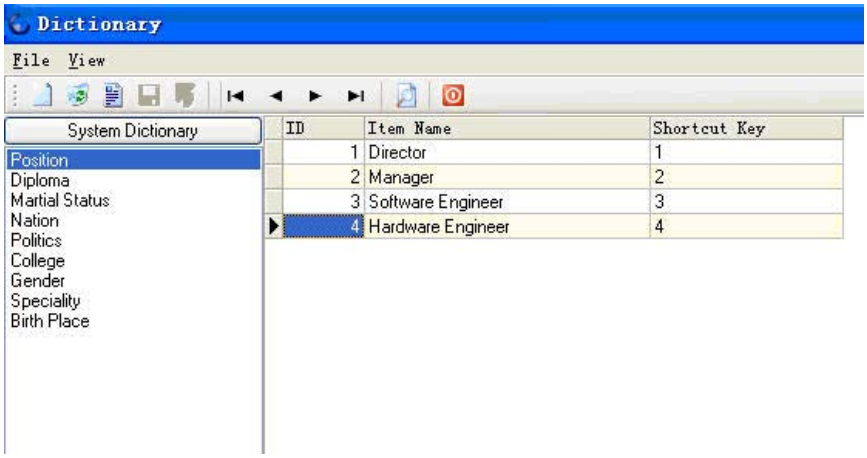
- Last Out: the last time the Personnel flashes his card at any of the system readers during a certain day. This time will be considered as the time the Personnel leaves the office.
- First IN: the first time the Personnel flashes his card at any of the system readers during a certain day. This time will be considered as the time the Personnel arrives the office.
- Work IN: the IN time which is defined in Regular Working Time.
- Work OUT: the Out time which is defined in Regular Working Time.

6.4 Change Database

Please redirect to section 3.3.

6.5 Dictionary

The Dictionary allows the user to customize fields and their content in the Personnel Information -> Basic Information tab (Section 7.2.2.1).



Icons:

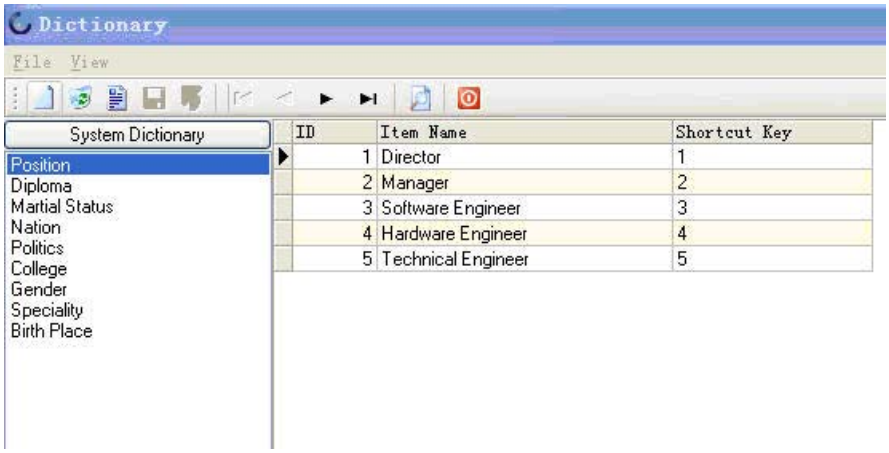
6.5.1 File

6.5.1.1 System Dictionary

Click "File->Dictionary", you will see the "System Dictionary" Window.

Menu:

Different users might want to display different information in Personnel Information Interface. The different values can be configured in the System Dictionary.



The items in System Dictionary are fields from the Personnel Information. We cannot change these fields, but we can change their optional values. On the right side, under "Item Name" we can either edit and change the value or create a new value.

For Example: Position default values include "Director, Manager, Software Engineer, Hardware Engineer". User may click "File->Add" or the first Icon to create a new value like "Technical Engineer". When user adds it, it will be possible to select it from the drop down menu of

"Position" field in Personnel Information -> Basic Information tab (Section 7.2.2.1).

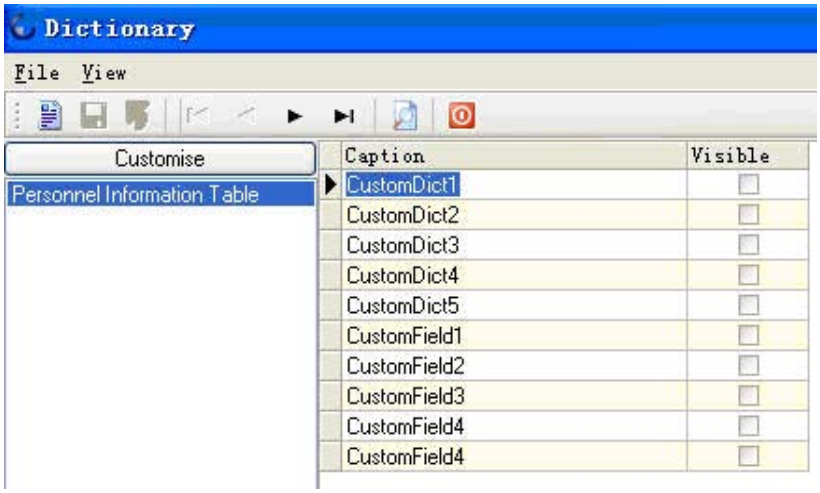
6.5.1.1.2 Customize Dictionary

Unlike the System Dictionary, Customized Dictionary allows the user to add completely new fields and their values to Personnel Information -> Basic Information tab (Section 7.2.2.1).

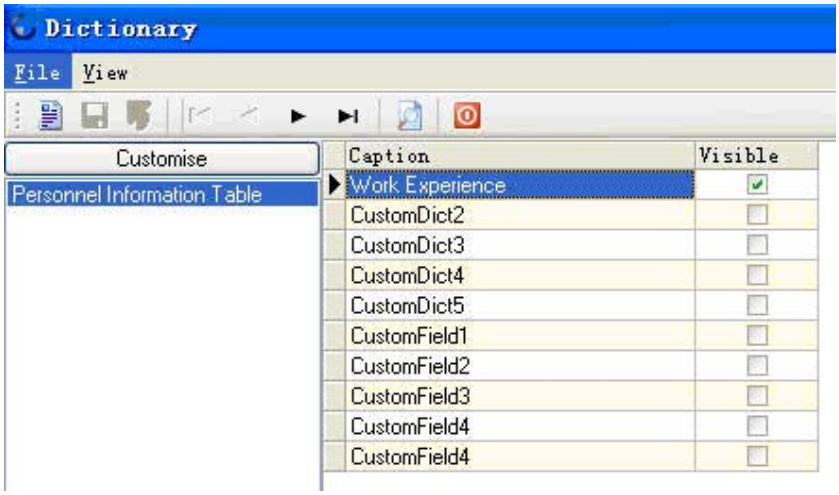
Click "File->Customized", the "Customized Dictionary" Window will open as below.

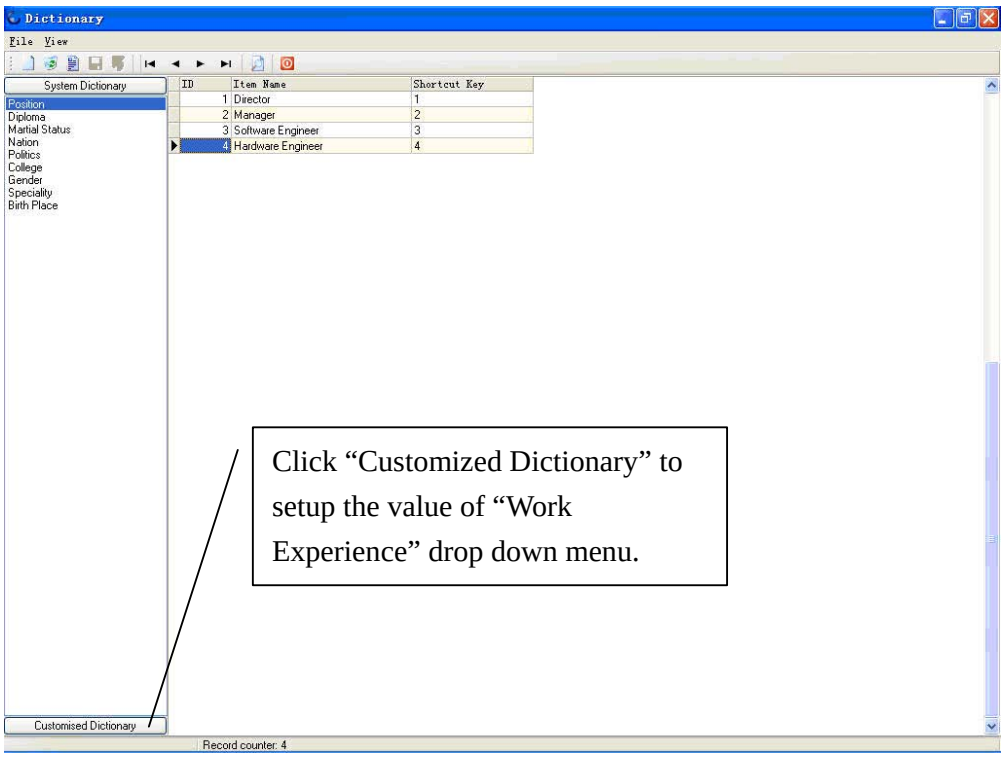
The entries CustomDict1..CustomDict5 allow adding up to 5 new fields each one with a pull down menu.

The entries CustomField1..CustomField5 allow adding up to 5 new fields with free text to enter (not menu).



For Example: A user might want to add "Work Experience" into Personnel Information. He can modify the CustomDict1 to "Work Experience", and tick "Visible" to make the new field visible. Then go to "File->Dictionary->Customized Dictionary" to setup drop down menu values.





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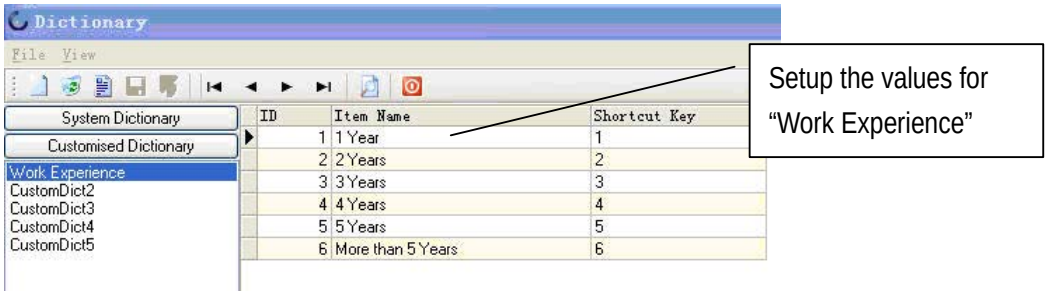
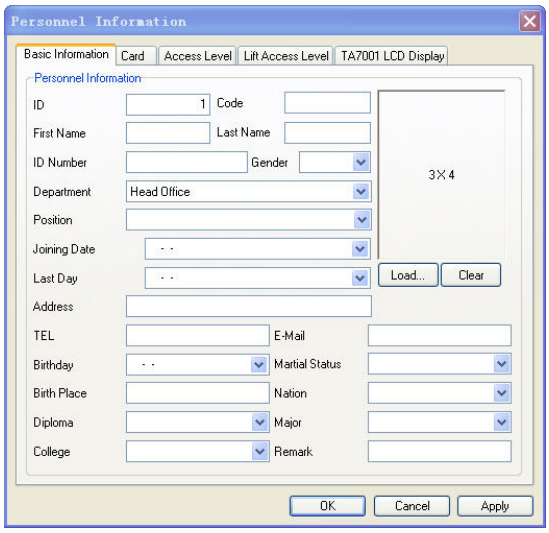
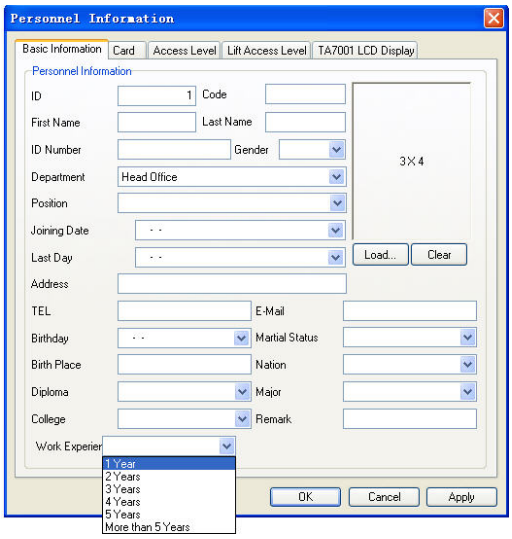


Once setup is done, "Work Experience" field will appear in the Personnel Information, as below:

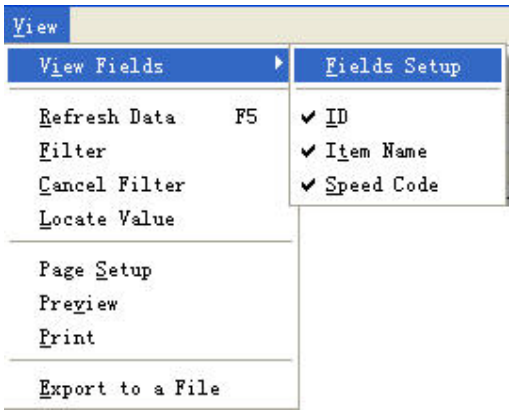


Before (Default)



After adding "Work Experience" field

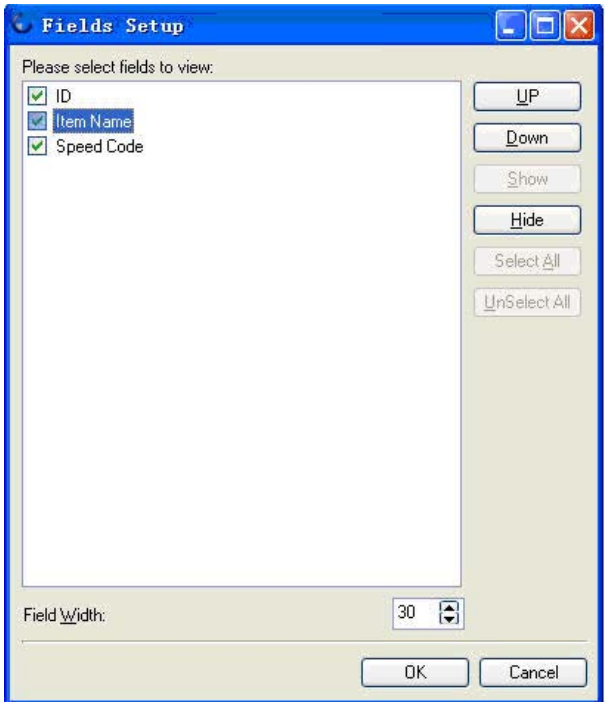
6.5.2 View



6.5.2.1 Fields Setup--Adjusting the Width of the fields

Click "View->View Fields->Fields Setup", and you will see the Fields Setup Windows.

You may choose any of the fields and change their order among the other fields or hide it. You may also control the Width of the field. For example choosing "Item Name", allows changing its width for viewing. The default value is 30, and can increase or decrease.



6.6 System Manager

6.6.1 Repeated Check

Sphinx 4 is providing 2 fields named ID Number and Person Code in the Personnel Basic Information (Section 8.2.2.1). ID Number is usually the Personnel ID Card number given by the government, or any similar one like Passport Number. Person Code is a free field which user can use for other purposes. In some cases when interfacing with a T&A software (3rd party) the unique identifier given to the Personnel of the T&A software can be given to Sphinx 4 Personnel as "Person Code". This makes the interaction between the 2 software easier. In the System Manager we define if the fields must be unique, meaning no 2 Personnel with the same Person Code or ID Number Figure 6-19.

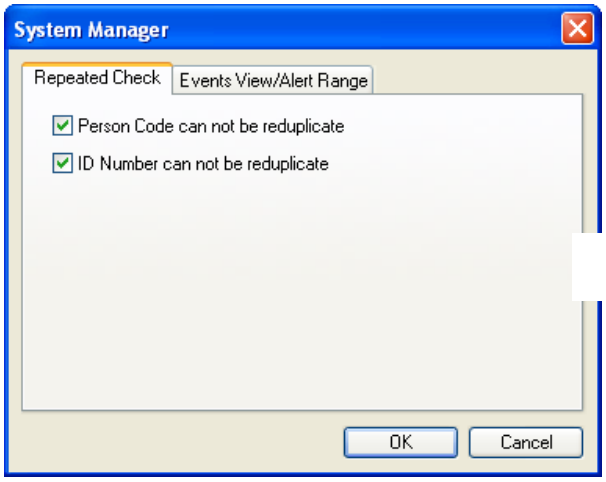
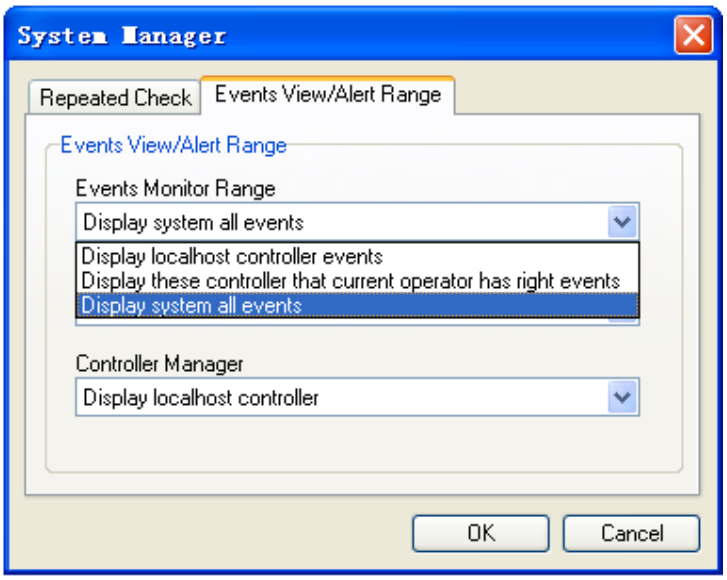


Figure 6-19

6.6.2 Events View/Alert Range

User can define the range of Events and Alerts presented in Sphinx 4 monitors ("Events Monitor", "Multi Site View", and "Controller Manager").

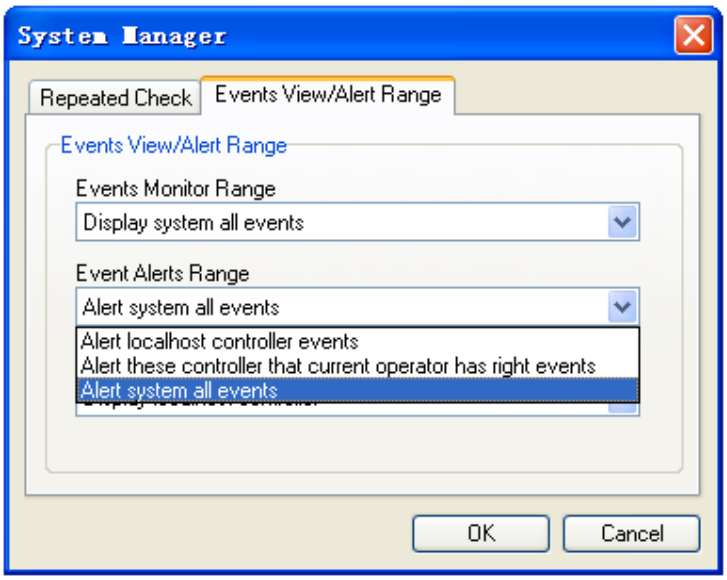


Events Monitor Range:

Display all system events: All controllers' events information will be presented in Sphinx 4 including Servers' controllers and the Clients' controllers.

Display local host controller event: Only events from controllers which are connected to the PC that is running Sphinx 4 will be presented.

Display local host controller that current operator has right events: Will present events only from controllers which are connected to this PC and that the user (see User Accounts, e.g. Administrator) has the privileges to monitor (the controllers).

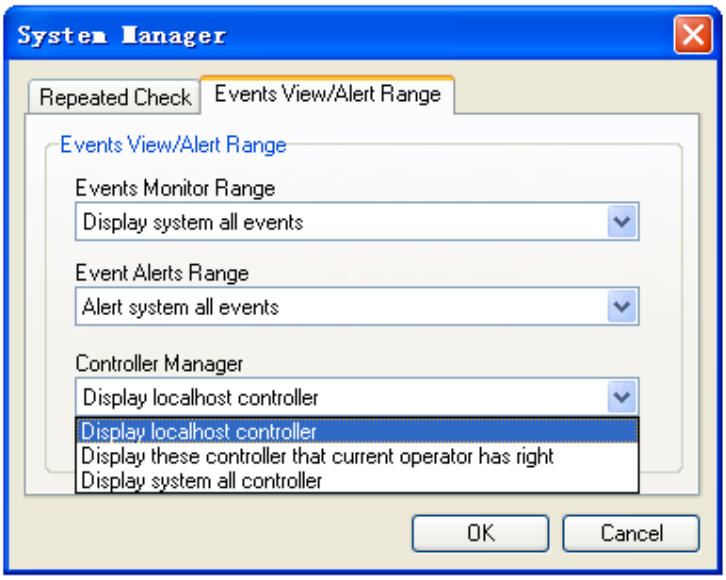


Events Alerts Range:

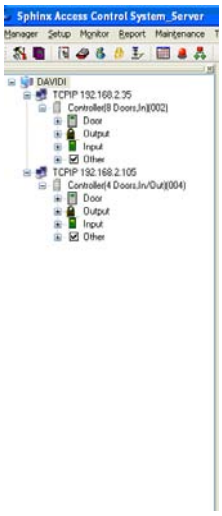
Alert system all controller events: All controllers Alerts information will be presented in Sphinx 4 including Server's controllers and the Clients' controllers.

Alert local host controller: Only Alerts from controllers which are connected to the PC which is running Sphinx 4 will be presented.

Alert these controllers that current operator has right: Will present Alerts only from controllers which are connected to this PC and that the user (see User Accounts, e.g. Administrator) has the privileges to monitor (the controllers).



Controller Manager:



The "Controller Manager" is a vertical window on the left hand side of the Sphinx 4 screen. It shows the tree of the controllers

Display system all controller: Will display all controllers of Server and Clients.

Display local host controller: Will display only the controllers which are connected to this PC.

Display these controllers that current operator has right: Will display only the controllers which are connected to this PC and the user (see User Accounts, e.g. Administrator) has the privileges to monitor (the controllers).

6.7 Summer/Winter Time

Summer/Winter Time or Daylight Saving can be setup using the Summer/Winter sub-menu of the Manager menu (Figure 6-20). Using the drop down menus of Time 1, set the month then the day that Summer/Winter time begins and the number of minutes that the time will be advanced. Note for Southern Hemisphere countries, daylight saving commences around March when the clocks are put forward 1 hour then reverts to standard time in October when the clocks are put back (Spring forward, Fall back). In the example in Figure 6-20, the clock has been put forward by one hour on the 20th March then reverts back 1 hour on the 20th October.

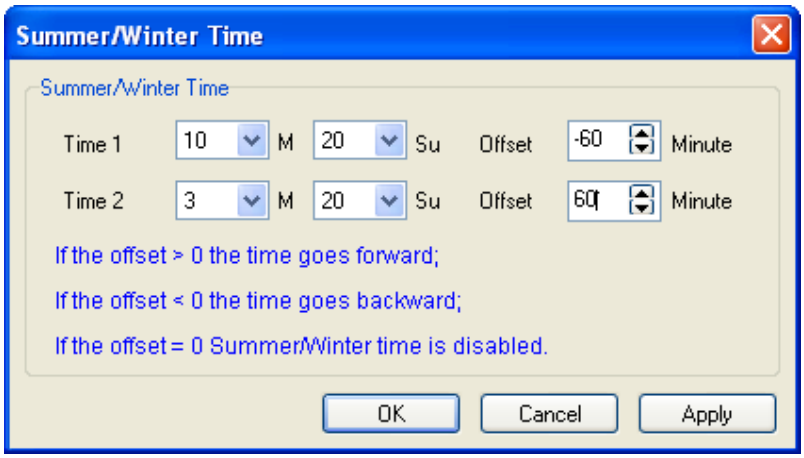


Figure 6-20

Chapter 7 Setup Sub-Menu

7.1 Hardware

7.1.1 Controller Configuration

Clicking on the Controller Configuration sub-menu item on the Setup -> Hardware menu will open the Controller Configuration screen (Figure 7-1).

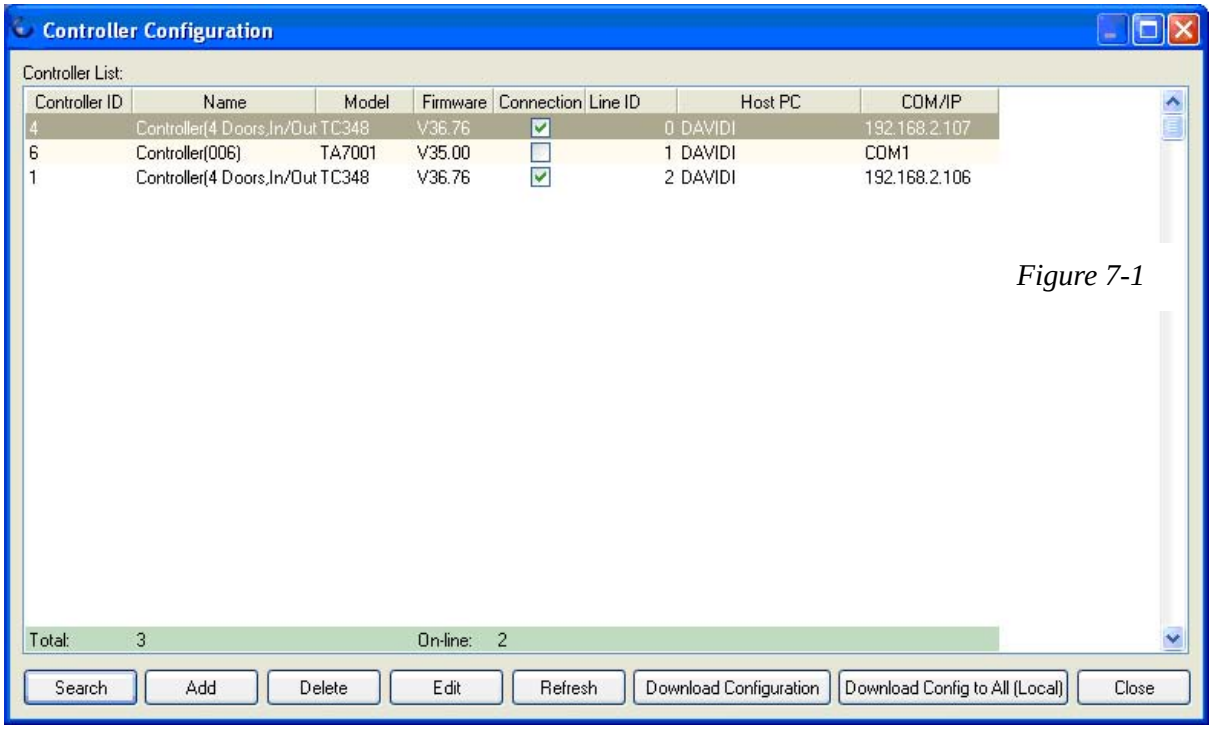


Figure 7-1

7.1.1.1 Searching for a Controller

I-CON Sphinx 4 software allows the user to avoid the need for adding and manually configuring controllers. Thanks to I-CON controllers' architecture, all it takes to perform the initial configuration of the controllers is to search them. Once clicking on the Search button, the window of Figure 7-2 will be opened

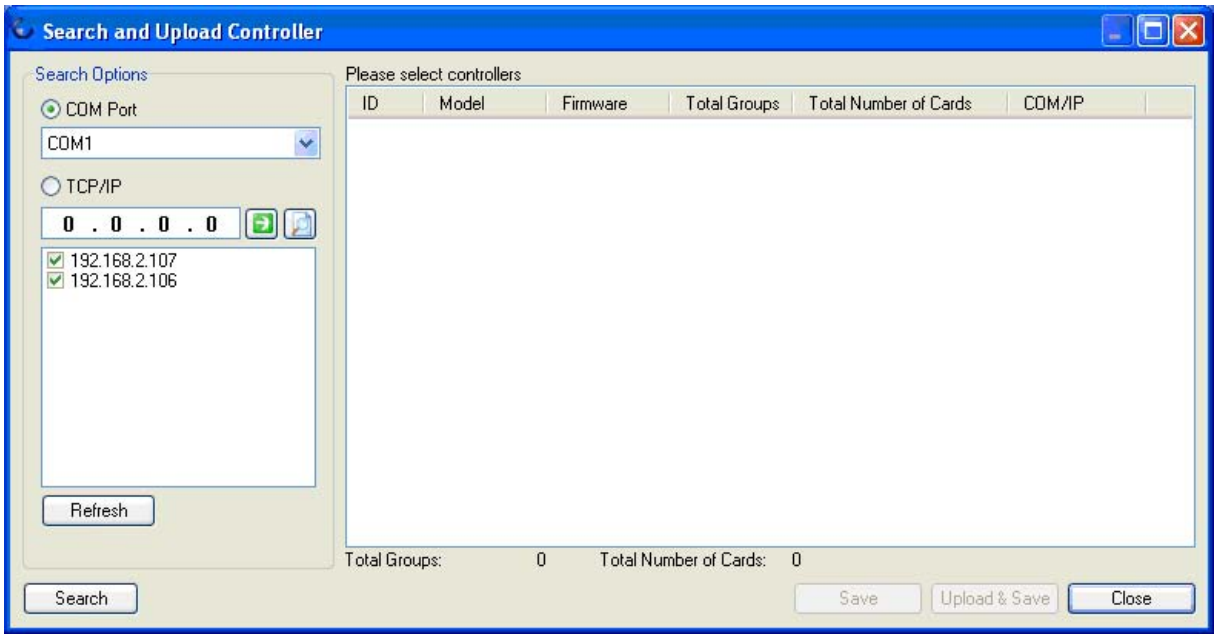


Figure 7-2

I-CON controllers can be connected either through a COM port or through an IP address.

Searching controllers over a COM port – In case the controller is connected directly through the RS232 controller's output to the RS232 PC input (or USB port if a RS232-USB converter is used). Another case is when a group of controllers are connected through RS485 communication. At the end of the RS485 line we will use the IC-232 converter to convert from RS485 to RS232 and then plug it to the RS232 port of the PC. Please select the "Com Port" radio button in this case. If you are not sure to which COM Port your controllers are connected, please go to Windows Control Panel -> System -> Hardware -> Device Manager -> Ports (COM & LPT) as shown in Figure 7-3

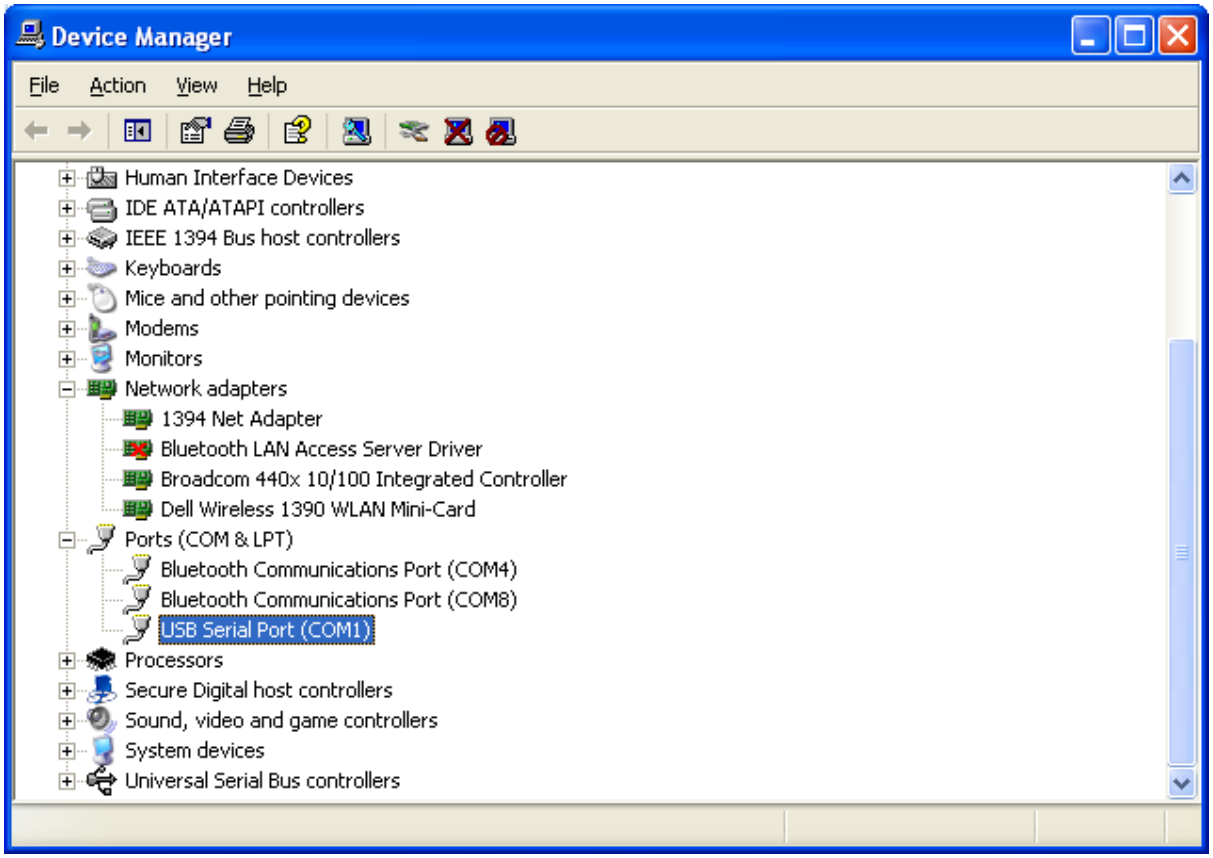


Figure 7-3

Click on Search, and the connected controllers will be listed (Figure 7-4).

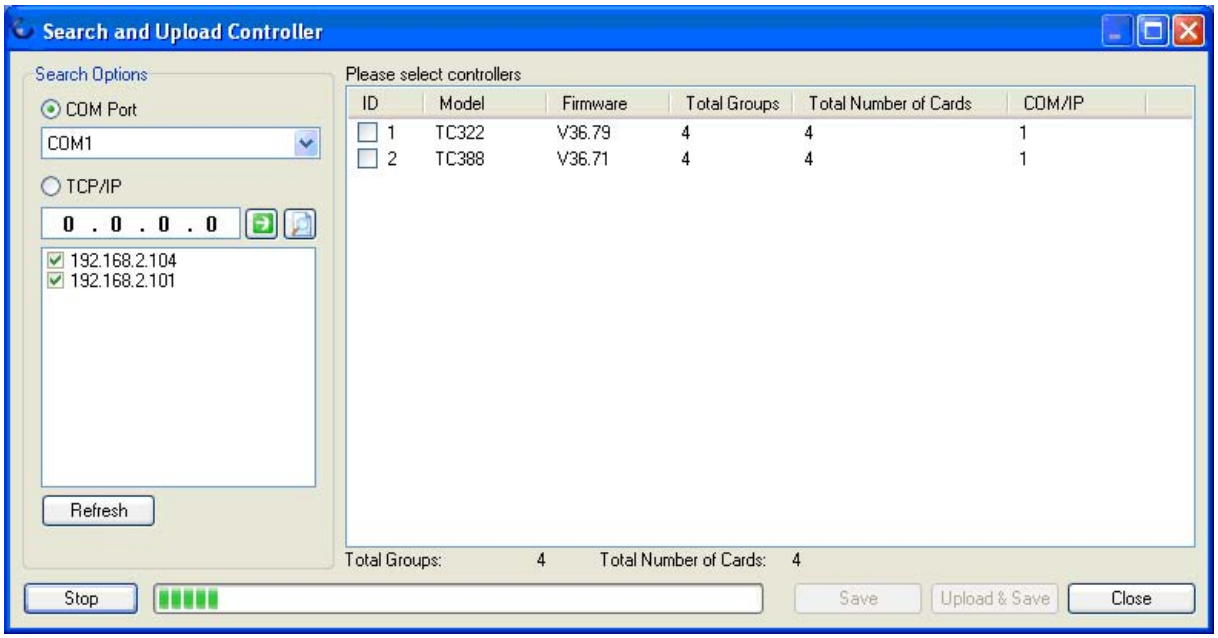


Figure 7-4

Click Stop and then tick the ID column of the controllers you would like to work with. Figure 7-5

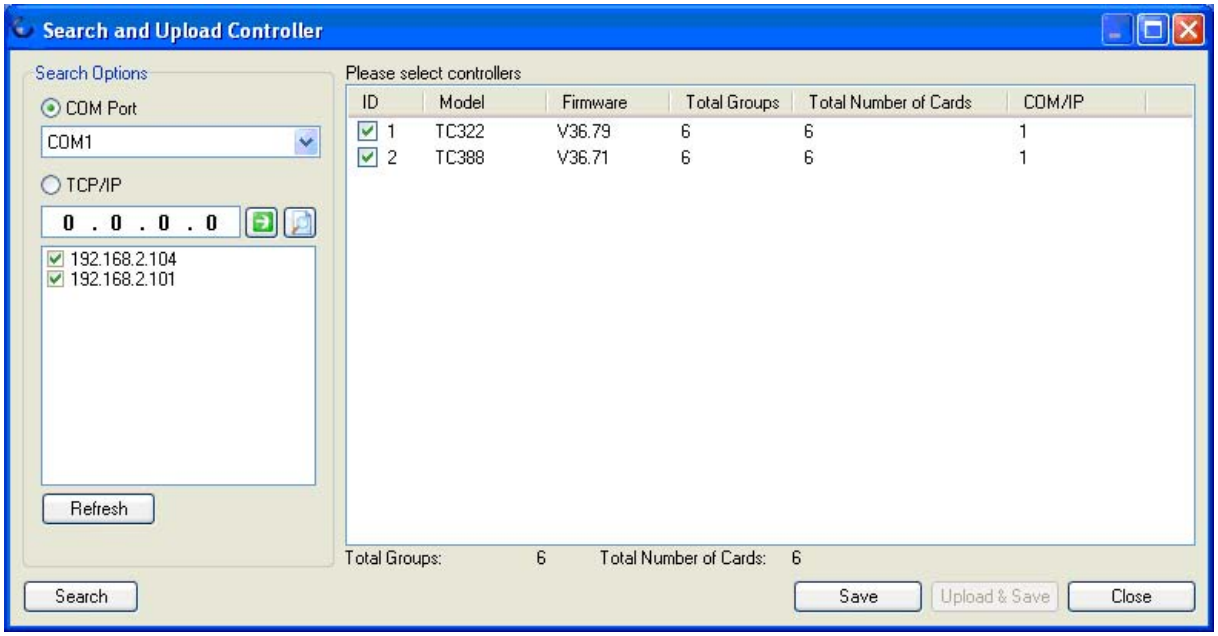


Figure 7-5

Click Save and then Close. The controllers will be listed in the Controller Configuration dialog box

As seen in Figure 7-6

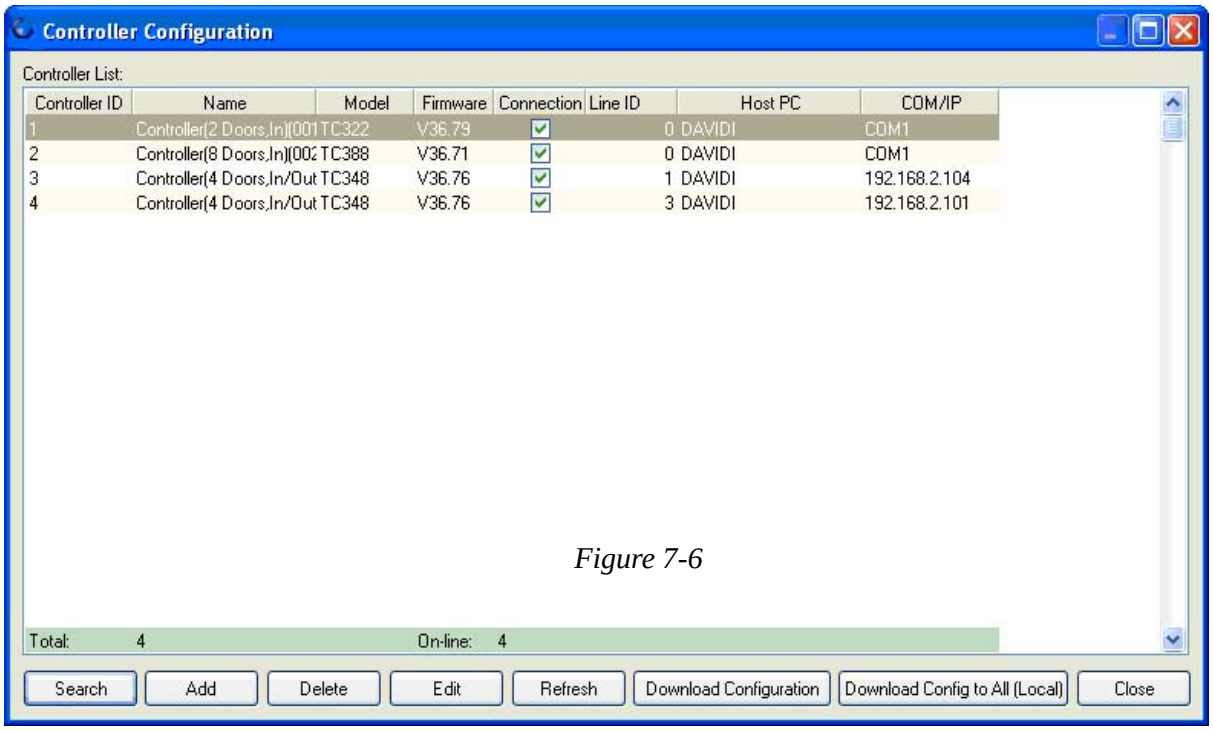


Figure 7-6

Searching Controllers over an IP address – I-CON provide controllers with built in, fully integrated TCP/IP module. Unlike other products in the market which are using external converter and Virtual IP address, I-CON controllers will have a real TCP/IP communication and real IP address. The setup of the IP address can be done automatically.

Tick the TCP/IP radio button as shown in Figure 7-7

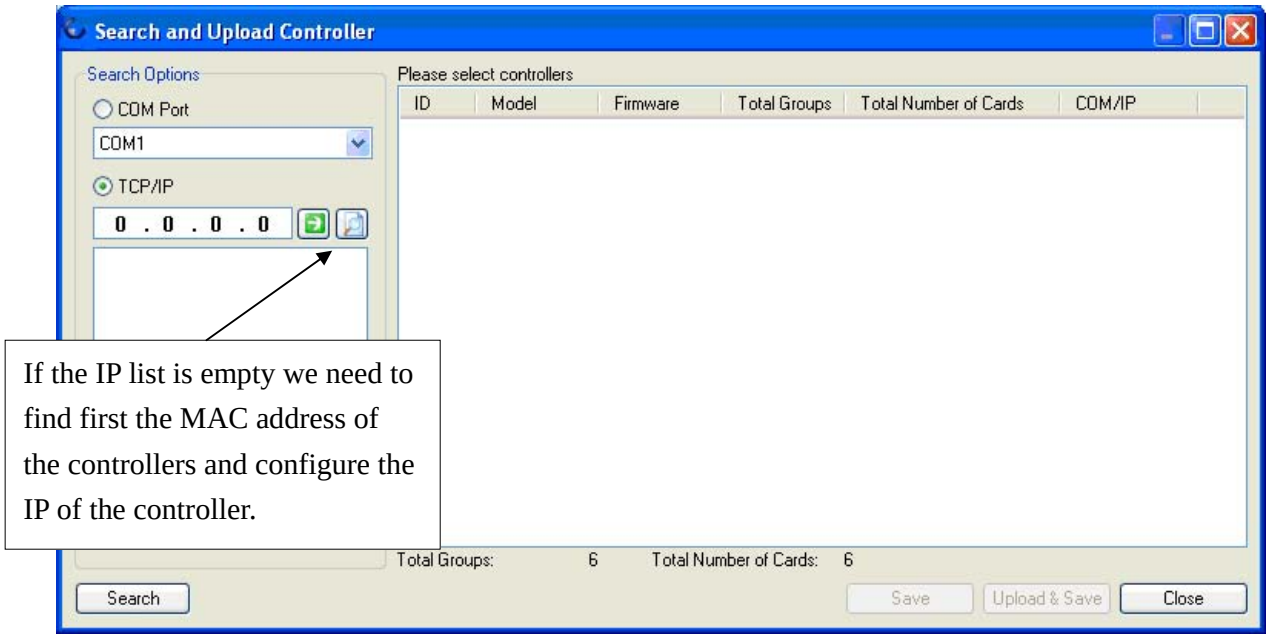


Figure 7-7

On the controller PCB board, near the blinking communication LEDs, there is a DIP Switch (S2) with DIP1, DIP2. DIP1 is Write Protect for the IP address; please make sure DIP1 is ON before configuring the IP address. DIP2 set a fixed IP (factory IP) of 10.1.1.10 regardless the status of DIP1. Please make sure DIP2 is OFF.

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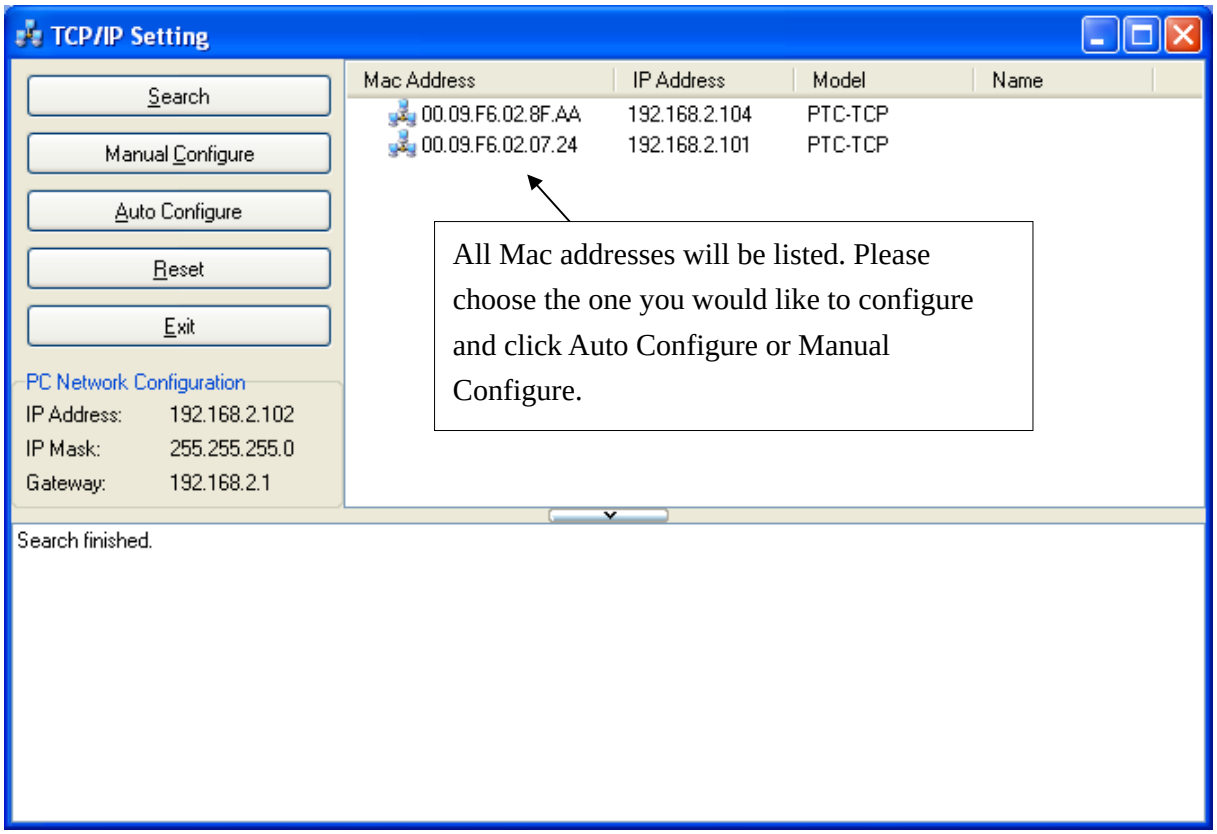

TCP/IP Setting
Search
Manual Configure
Auto Configure
Reset
Exit
PC Network Configuration
IP Address: 192.168.2.102
IP Mask: 255.255.255.0
Gateway: 192.168.2.1
Mac Address
IP Address
Model
Name
00.09.F6.02.8F.AA 192.168.2.104 PTC-TCP
00.09.F6.02.07.24 192.168.2.101 PTC-TCP
All Mac addresses will be listed. Please choose the one you would like to configure and click Auto Configure or Manual Configure.
Search finished.

Figure 7-8

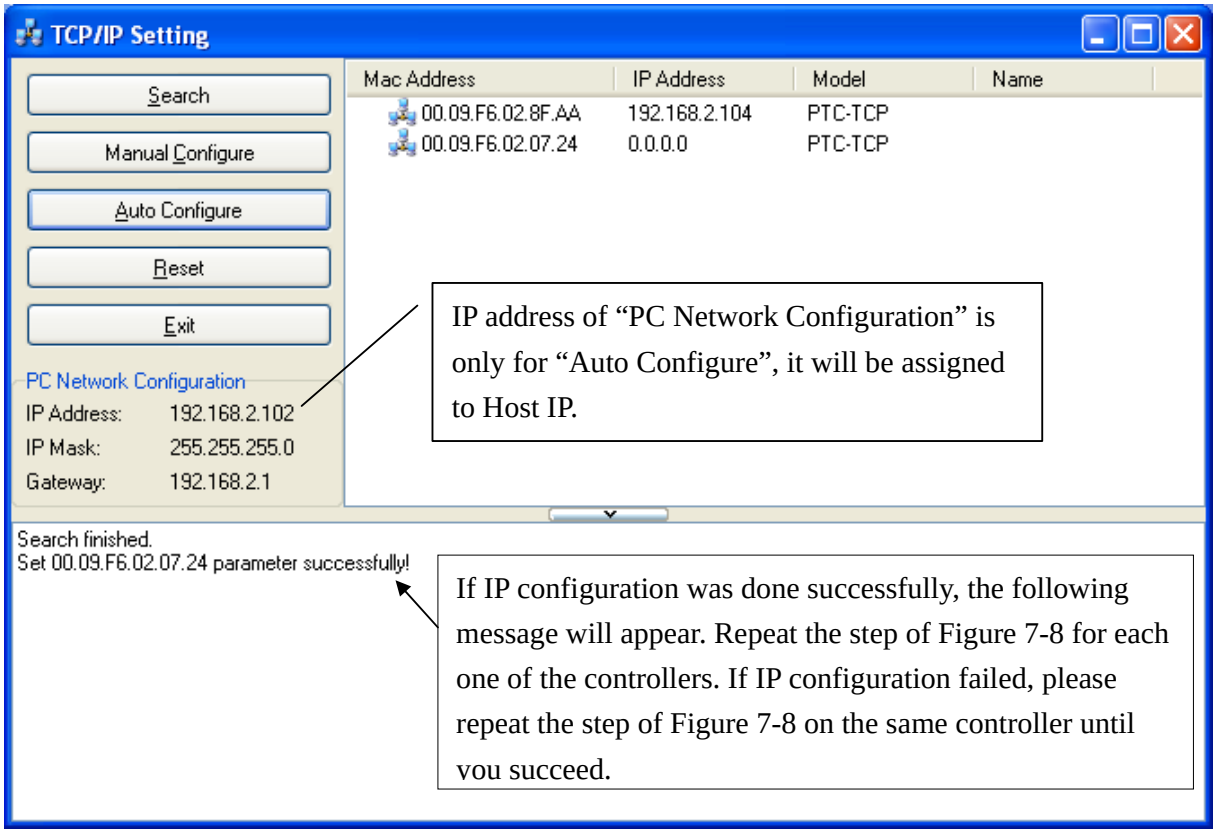
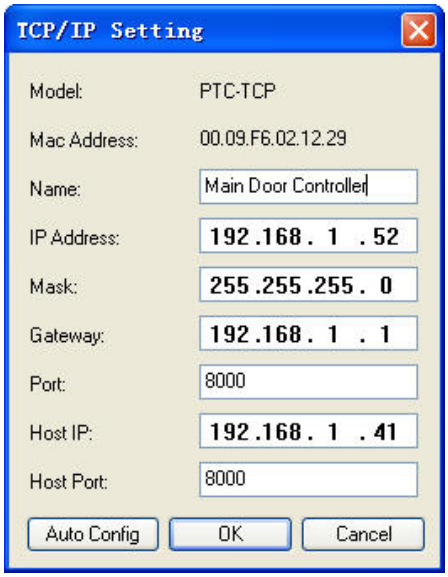

TCP/IP Setting
Search
Manual Configure
Auto Configure
Reset
Exit
PC Network Configuration
IP Address: 192.168.2.102
IP Mask: 255.255.255.0
Gateway: 192.168.2.1
Mac Address
IP Address
Model
Name
00.09.F6.02.8F.AA 192.168.2.104 PTC-TCP
00.09.F6.02.07.24 0.0.0.0 PTC-TCP
IP address of "PC Network Configuration" is only for "Auto Configure", it will be assigned to Host IP.
Search finished.
Set 00.09.F6.02.07.24 parameter successfully!
If IP configuration was done successfully, the following message will appear. Repeat the step of Figure 7-8 for each one of the controllers. If IP configuration failed, please repeat the step of Figure 7-8 on the same controller until you succeed.

Figure 7-9

Search – Searching again for Mac addresses.
Manual Configure – Configuring the IP address manually by setting each of the parameters.
Auto Configure – Sphinx 4 will configure the IP address automatically.
Reset – Restart the NT module.
Exit – Exit the dialog box.

If the user chose to do Manual Configuration the dialog box shown on Figure 7-10 will be opened.



Mac Address: A unique identifier attac *Figure 7-10* adapter (the TCP/IP module).
Name: Controller name which can be a maximum of 30 alpha-numeric characters.

IP Address: The IP address the controller will have.

Mask: The Subnet Mask of the Network (Figure 7-11).

Gateway: The Default Gateway (Figure 7-11).

Port: TCP/IP port. It can be between 1024-65535. User can keep the default value of 8000.

Host IP: The IP address of the PC which is connected to the controllers through the TCP/IP network. The Host PC will receive all controllers' card events.

Server Port: Can be between 1024-65535. User can keep the default value of 8000.

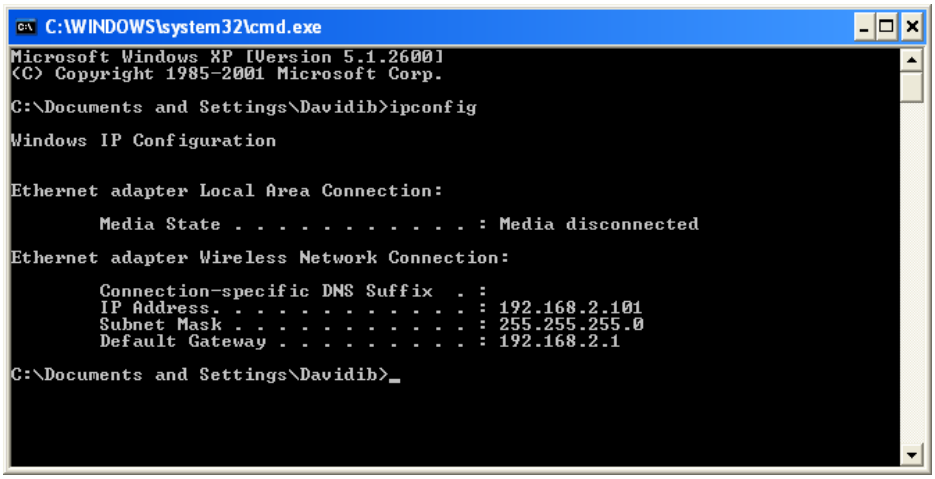

C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Davidib>ipconfig
Windows IP Configuration
Ethernet adapter Local Area Connection:
Media State . . . . . : Media disconnected
Ethernet adapter Wireless Network Connection:
Connection-specific DNS Suffix . :
IP Address. . . . . : 192.168.2.101
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.2.1
C:\Documents and Settings\Davidib>

Figure 7-11

After IP configuration click Exit and wait for a few seconds. The configured IP addresses will be listed as in Figure 7-12

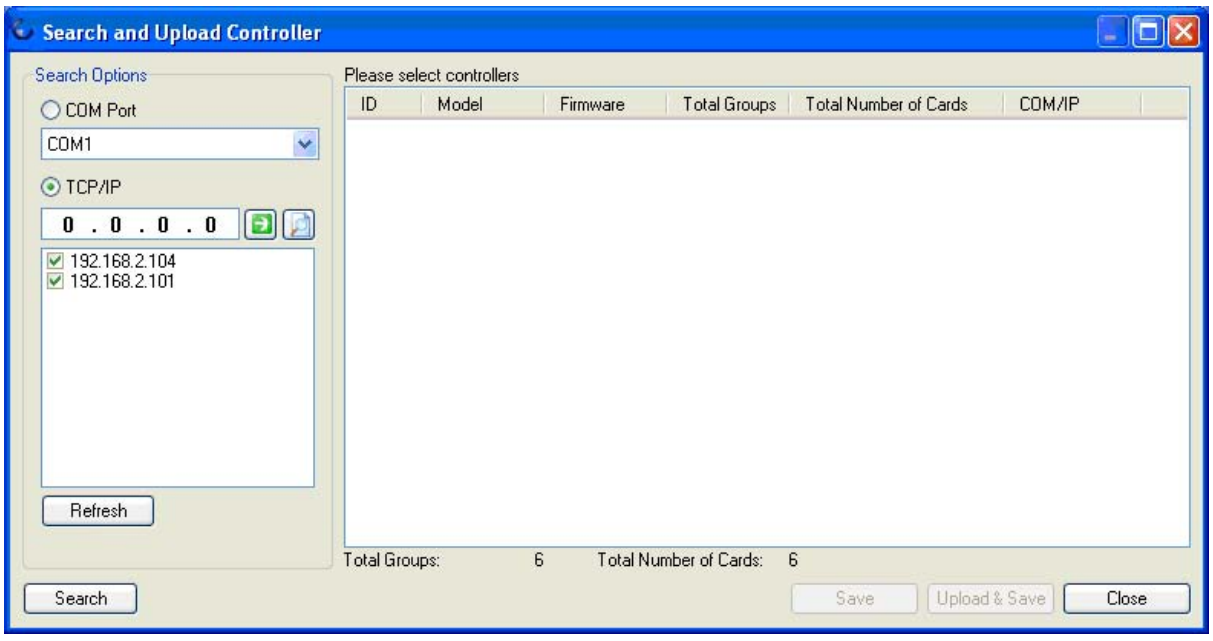


Figure 7-12

Please click Search and all the IP controllers will be listed as shown in Figure 7-13.

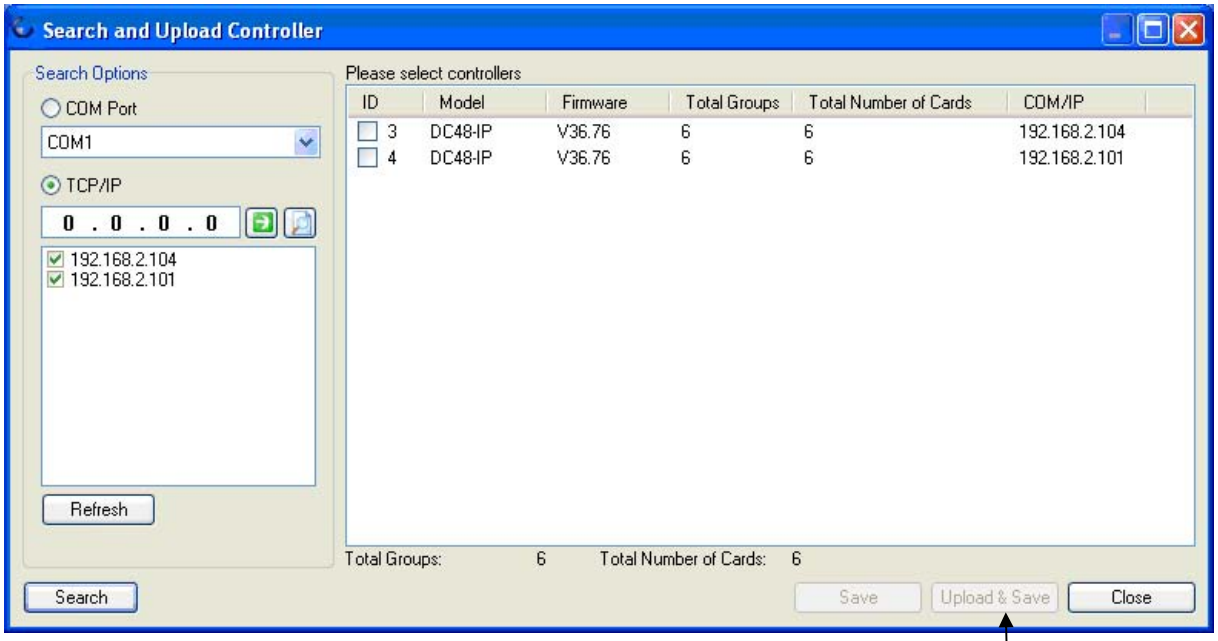


Figure 7-13

Check the controllers you would like to add and click Save and then Close.

After clicking Close the dialog box of Figure 7-14 will be presented. The controllers have been searched and recognized by Sphinx 4.

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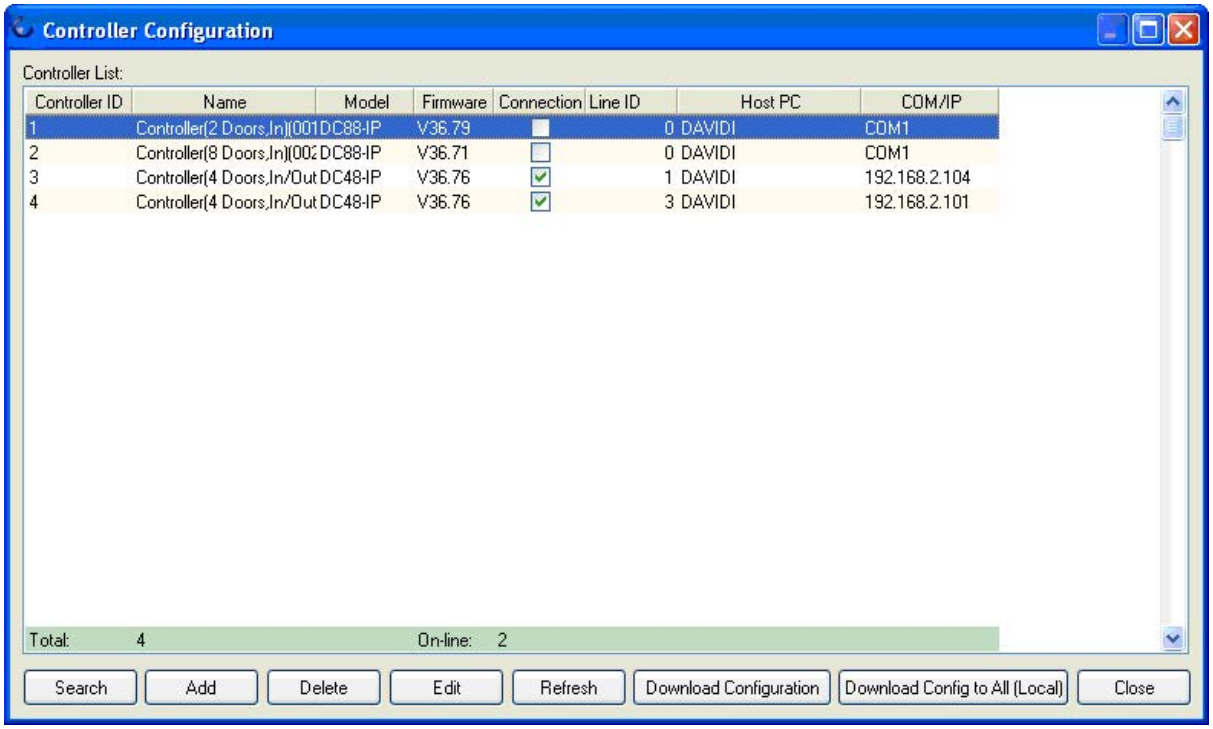

Figure 7-14

Upload & Save

Sphinx 4 has a strong feature which allows uploading the existing configuration and all memory content (card numbers, access level, doors configuration etc.) from controllers to the Sphinx software. Please select the controller and then click Upload & Save. The configuration will be uploaded. This function allows the memory contents of a controller to be uploaded in the event of a PC database failure where no database backup has been undertaken.

Tick the items of configuration which you would like to be uploaded and click "OK" (Figure 7-15).

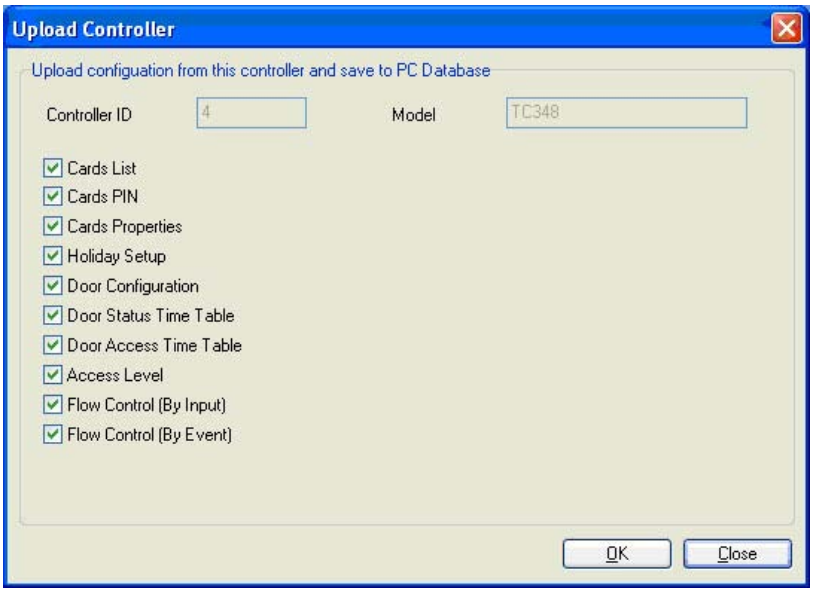

Figure 7-15

A message asking the user to backup the existing Database will appear (Figure 7-16). It's is highly recommended to backup the existing Database or the user might lose crucial information. Please refer to Section 10.3 for Database backup.

Sphinx 4.0
Before you upload configuration from this controller to Sphinx software, please backup the current Sphinx Database. Are you sure you would like to upload?
Yes
No

Figure 7-16

Once clicking YES sphinx will run the uploading. At the end we will see the screen in Figure 7-17. Click OK.

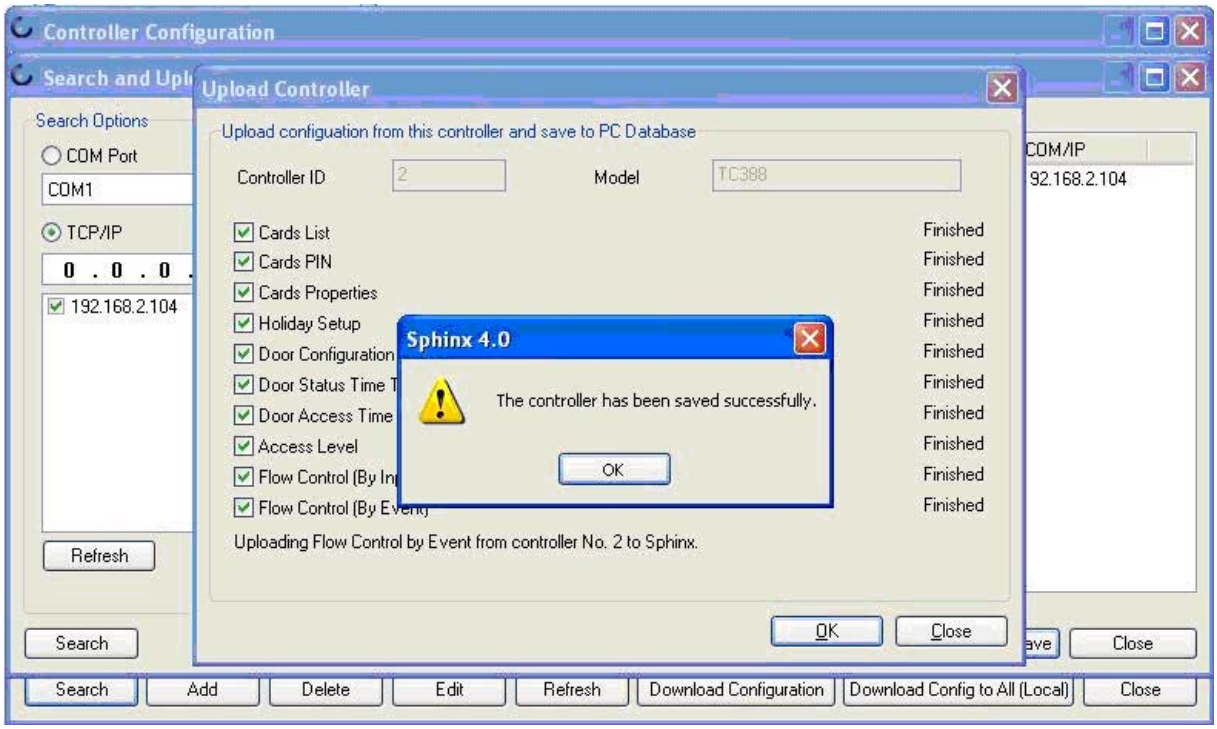

Figure 7-17

7.1.1.2 Adding a Controller

Alternatively to searching the controllers (automatically) the user can add a controller manually Click on the Add button and the Add Controller screen will appear (Figure 7-18). Click on the drop down menu to select the controller type then enter a name for the controller. The controller name can be a maximum of 30 alpha-numeric characters. Please enter the COM Port or the IP Address and Port which are in use. Note that the controller hardware DIP switches (1-8) must be configured before controllers are added. An alternative method of adding a controller is to click on the "Search" button and let the software find the controller automatically (Section 7.1.1.1).

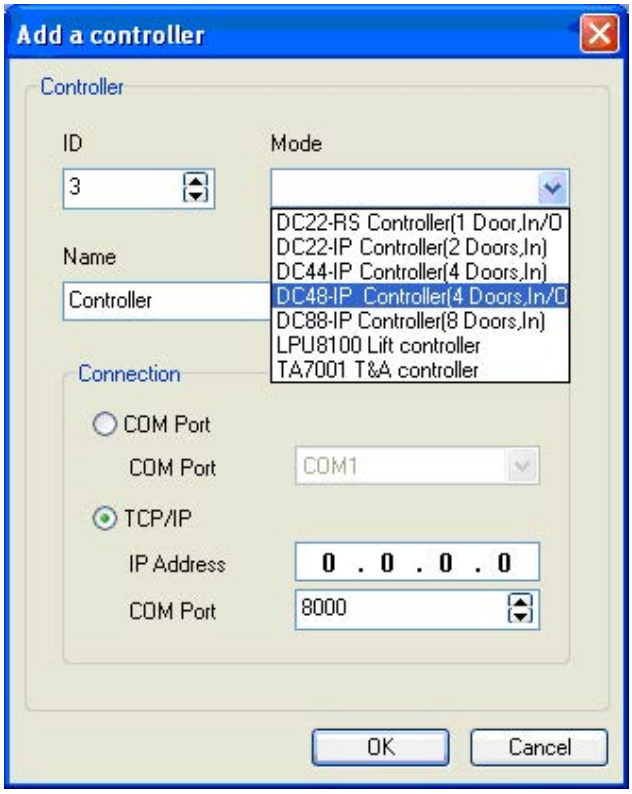

Figure 7-18

7.1.1.3 Deleting a Controller

To delete a controller, highlight the controller to be deleted then click on the Delete button. Click "OK" to the confirmatory question to confirm deletion (Figure 7-19).

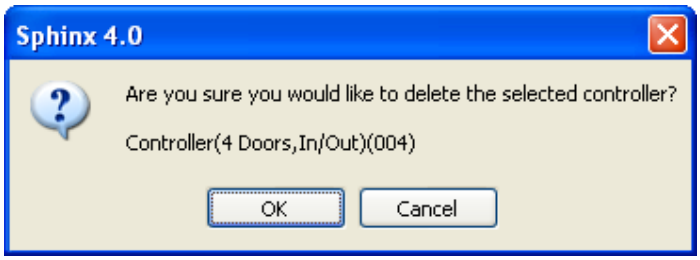

Figure 7-19

7.1.1.4 Editing a Controller

Editing the selected controller parameters Figure 7-20

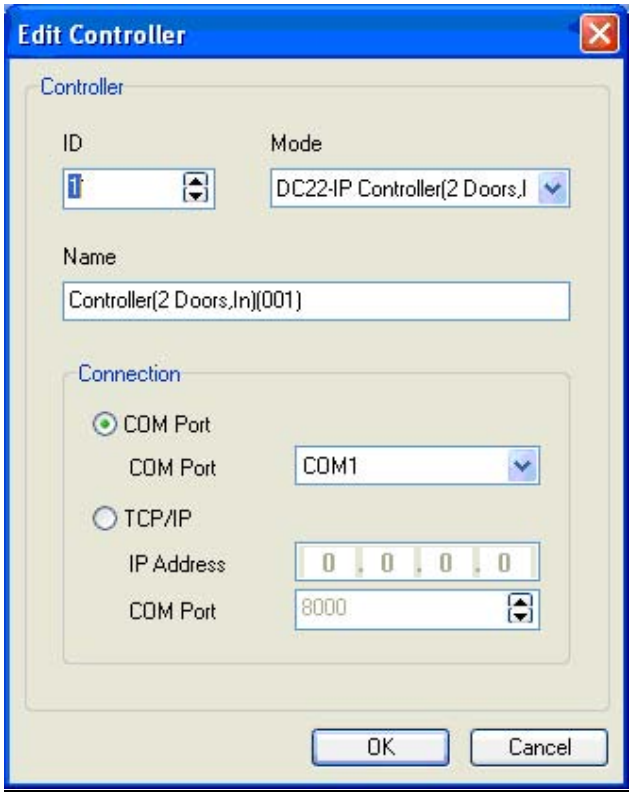

Figure 7-20

7.1.5 Refresh a Controller

To refresh the displayed status of all controllers click on the Refresh button.

7.1.6 Download a Configuration

To download the current Sphinx 4 database settings and configuration from PC to a specific controller highlight the controller then click on the Download button.

7.1.7 Download Config to All (Local)

To download the current Sphinx 4 database from PC to all controllers which are connected to the PC click on the "Download Config to All (Local)" button.

7.1.2 TCP/IP Setting

Please refer to section 7.1.1.1 – Searching a Controller over IP address.

7.1.3 Search Controller

Please refer to section 7.1.1.1

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7.1.4 Doors Configuration

Clicking on the Doors Configuration sub-menu item on the Setup -> Hardware menu will open the screen (Figure 7-21). The Door Configuration screen consists of 4 tabs: Parameters, Door Status Time Table, Door Access Time Table and Personnel Access Level.

7.1.4.1 Parameters

This is where any general function related to a specific door is set up (Figure 7-21). To commence setting up a door, first highlight the door from the list of controllers and doors on the left hand side. Once the specific door has been highlighted, the items for that door can be configured. This includes:

Door Name: E.g. Front Door

Door Type: An IN reader only or an IN/OUT reader. (On some models this field will be preset)

Door Sensor: Normally Open or Normally Closed

Exit button: Normally Open or Normally Closed

Lock Open Time: The relay unlocks time, normally 5 seconds.

Lock Monitor Time: The time before an alarm, normally 30 seconds. It is used to make sure the door was not left opened for a long time by putting an obstacle between the door and the door frame which prevents the door from closing.

Read Card Mode: Single valid card or multiple valid cards needed for opening the door.

Multi Card: How many valid cards need to be flashed for opening the door?

Opened by 1st card: Select Enable to have the door remains open after the 1st card of the day is flashed.

Time opened by 1st Card: If the previous entry is Enable, how many seconds will the door remain open

PIN Required: Select Enable to enable door PIN access

Max. 3 wrong PIN: If enabled and an incorrect PIN is entered 3 times, the software will delete the access level of the card

Threatening PIN: A fixed duress PIN number for this door (4 digit PIN)

Super PIN: If enabled, the door can be opened with a PIN only by entering *12345678# where 12345678 is the Super PIN.

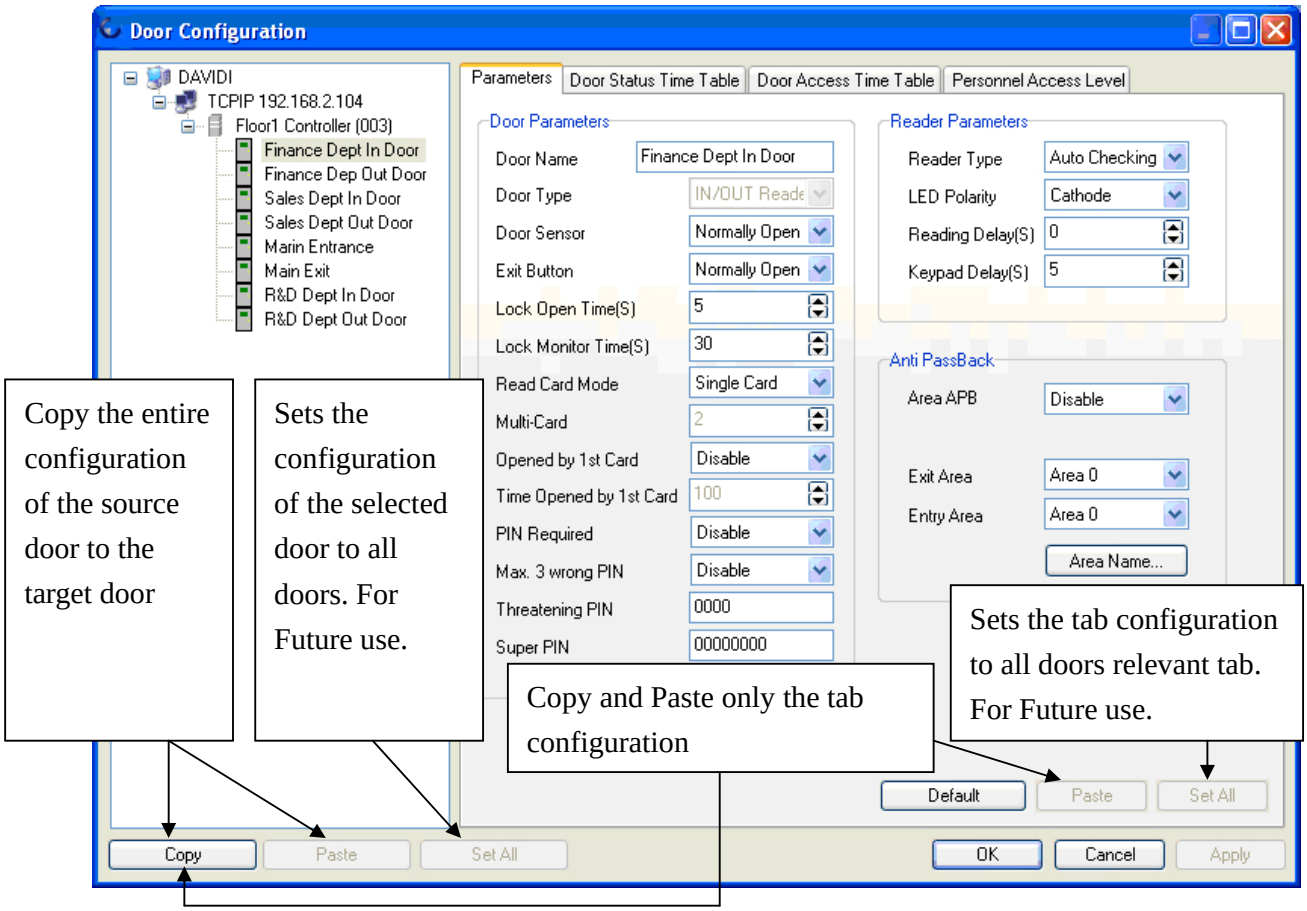


Figure 7-21

Reader and Area Parameters are also setup from within the Parameters screen as follows:

Reader Type:	Normally Auto Checking
LED Polarity:	Normally Cathode
Reading Delay:	The shortest time interval between reading 2 different cards
Keypad Delay:	The shortest time interval between 2 digits being entered at a keypad
Area APB:	Select Enable for Area Anti Passback
Exit Area:	Exit Area for Anti Passback
Entry Area:	Entry Area for Anti Passback
Area Name:	Click this button to give an area an alpha numeric name.

The door parameters can be copied from one door to another providing the doors are of the same type (IN door to an IN door). Highlight the door that you want to copy, click on the "Copy"

button, and highlight the door that you want to paste the parameters to then click "Paste". You may repeat the Paste for other doors.

7.1.4.2 Door Status Time Table

This is where the Time Tables for a specific door are set up (Figure 7-22). There are 15 available time tables per door. Double click on a Time Table or click on the "Edit Status" button to bring up the Status Time Set screen (Figure 7-22). On this screen, the actual status for the door can be set up. Enter the Start Time then click on the arrow next to the Entry Status label to select a status. Options are:

Normal:	Door opens normally with the presentation of a valid card
Sleep:	The system is effectively asleep and will not read a valid card
Always Open:	The door is always open (unlocked)
Always Closed	The door is always closed (locked) but can be unlocked with a super card
PIN:	Card and PIN required
APB:	Anti Passback

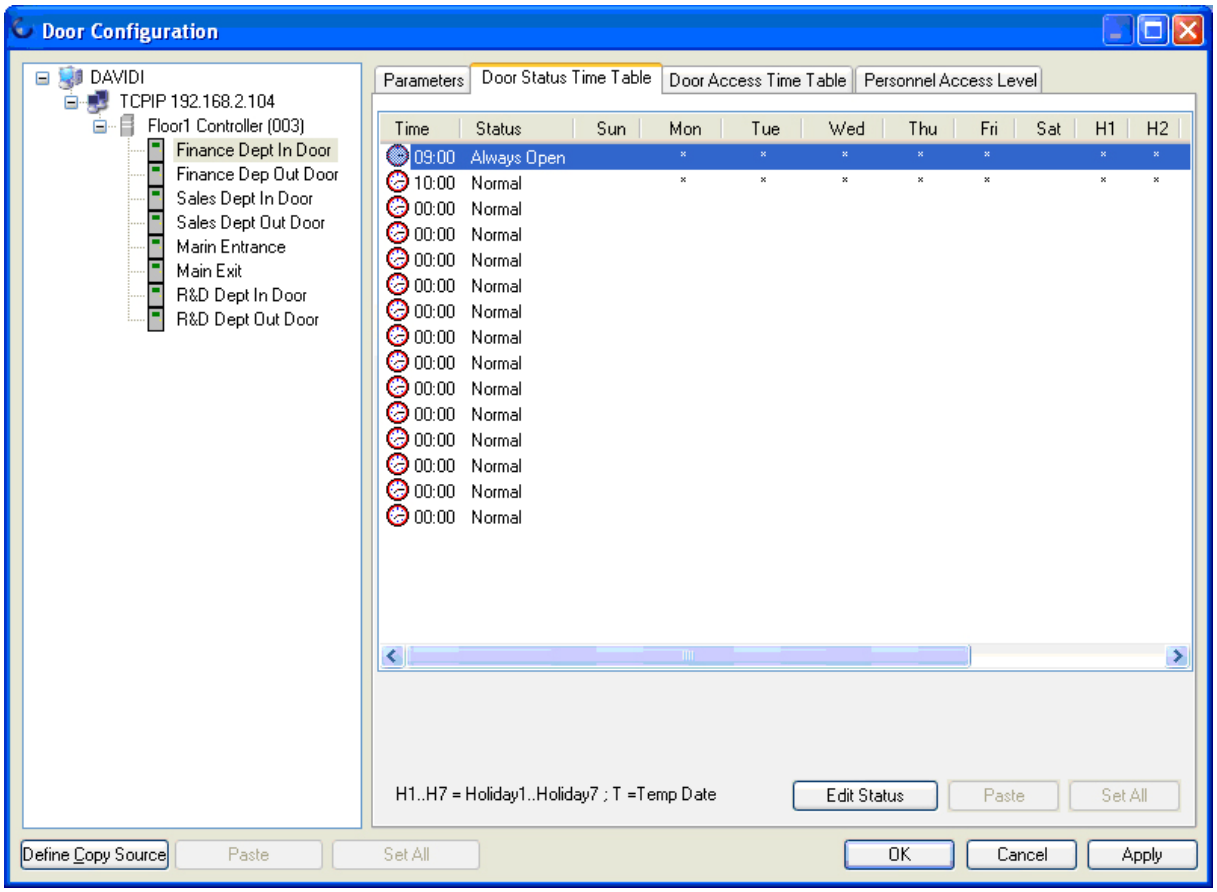

Door Configuration
DAVIDI
TCPIP 192.168.2.104
Floor1 Controller (003)
Finance Dept In Door
Finance Dep Out Door
Sales Dept In Door
Sales Dept Out Door
Marin Entrance
Main Exit
R&D Dept In Door
R&D Dept Out Door
Parameters
Door Status Time Table
Door Access Time Table
Personnel Access Level
Time
Status
Sun
Mon
Tue
Wed
Thu
Fri
Sat
H1
H2
09:00 Always Open
10:00 Normal
00:00 Normal
H1..H7 = Holiday1..Holiday7 ; T =Temp Date
Edit Status
Paste
Set All
Define Copy Source
Paste
Set All
OK
Cancel
Apply

Figure 7-22

Tick the days of the week to apply the chosen status for. The H1-H7 boxes refer to the seven types of holidays that can be set up (Section 7-2) and the T1-T2 boxes refer to the two types of temporary dates that can be configured (Section 7-1).

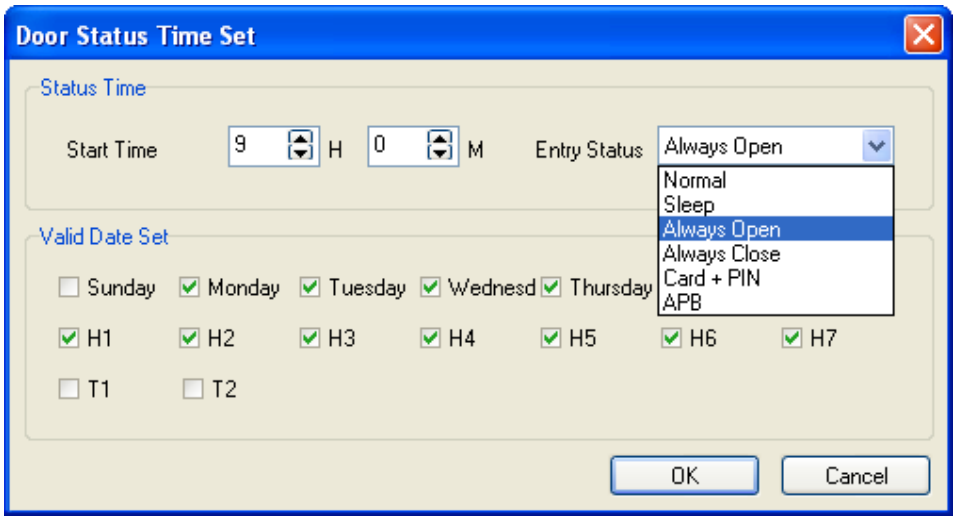


Figure 7-23

In the example above from 9:00 to10:00 during the week days the door will be always open, and after 10:00 back to normal.

7.1.4.3 Door Access Time Table

The Door Access Time Table (Figure 7-24) sets the Time Tables for Door Access and is configured similarly to the Door Status Time Table (Section 7.1.4.2). At the Door Access Time Table we also also specify the End Time.

Each door can have up to 15 different Time Tables while each Time Table can have up to 7 different

Time Zones. The Time Zone will set the days and time period for the door access (meaning valid cards can open this door during that time for example). Different Time Zones can have different days and hours (Figure 7-24, Figure 7-25)

Genie CCTV Ltd
CCTV House, City Park, Watchmead, Welwyn Garden City, Hertfordshire,
AL7 1LT, United Kingdom
Tel: +44 (0)1707 330541 Fax: +44 (0)1707 330543 Website: www.genieaccess.com

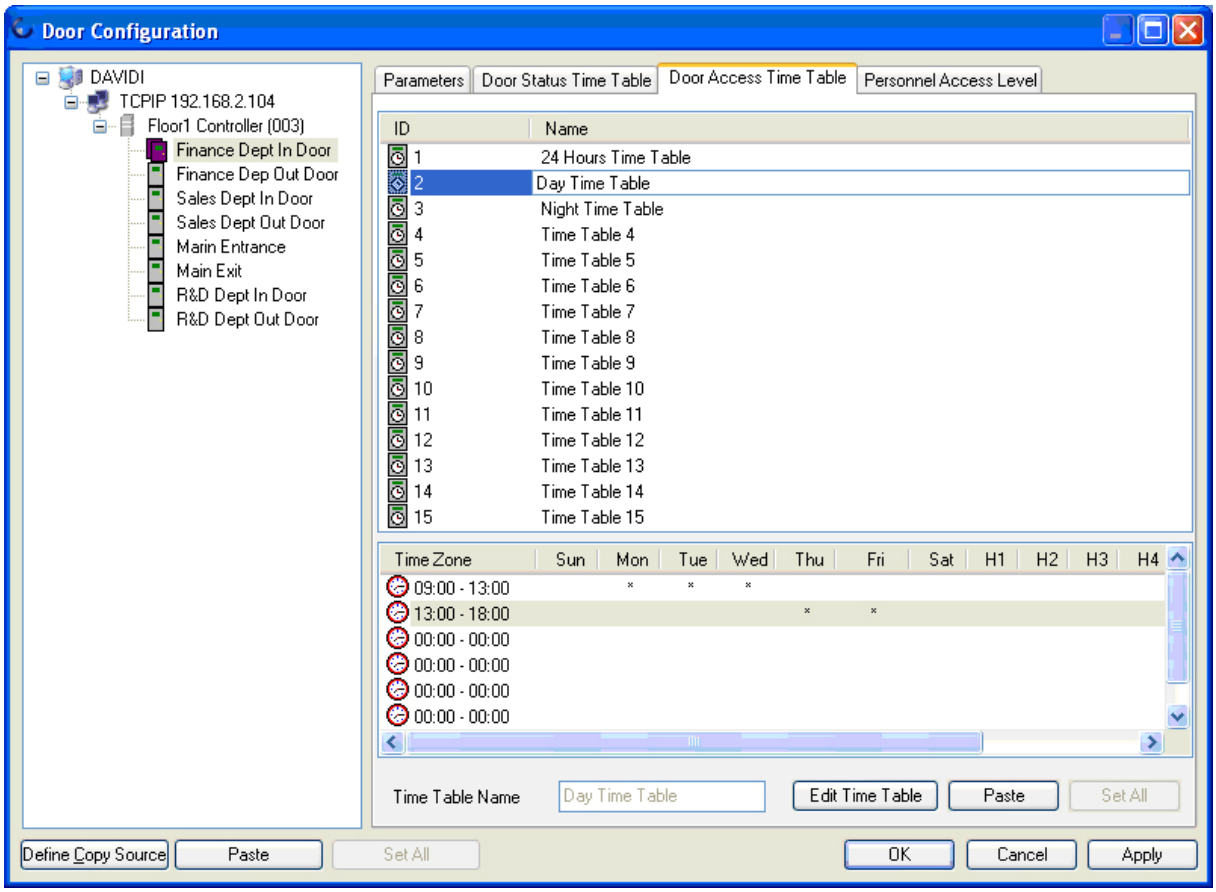

Door Configuration
DAVIDI
TCPIP 192.168.2.104
Floor1 Controller (003)
Finance Dept In Door
Finance Dep Out Door
Sales Dept In Door
Sales Dept Out Door
Marin Entrance
Main Exit
R&D Dept In Door
R&D Dept Out Door
Parameters
Door Status Time Table
Door Access Time Table
Personnel Access Level
ID
Name
1 24 Hours Time Table
2 Day Time Table
3 Night Time Table
4 Time Table 4
5 Time Table 5
6 Time Table 6
7 Time Table 7
8 Time Table 8
9 Time Table 9
10 Time Table 10
11 Time Table 11
12 Time Table 12
13 Time Table 13
14 Time Table 14
15 Time Table 15
Time Zone
Sun
Mon
Tue
Wed
Thu
Fri
Sat
H1
H2
H3
H4
09:00 - 13:00
13:00 - 18:00
00:00 - 00:00
00:00 - 00:00
00:00 - 00:00
00:00 - 00:00
Time Table Name
Day Time Table
Edit Time Table
Paste
Set All
Define Copy Source
Paste
Set All
OK
Cancel
Apply

Figure 7-24

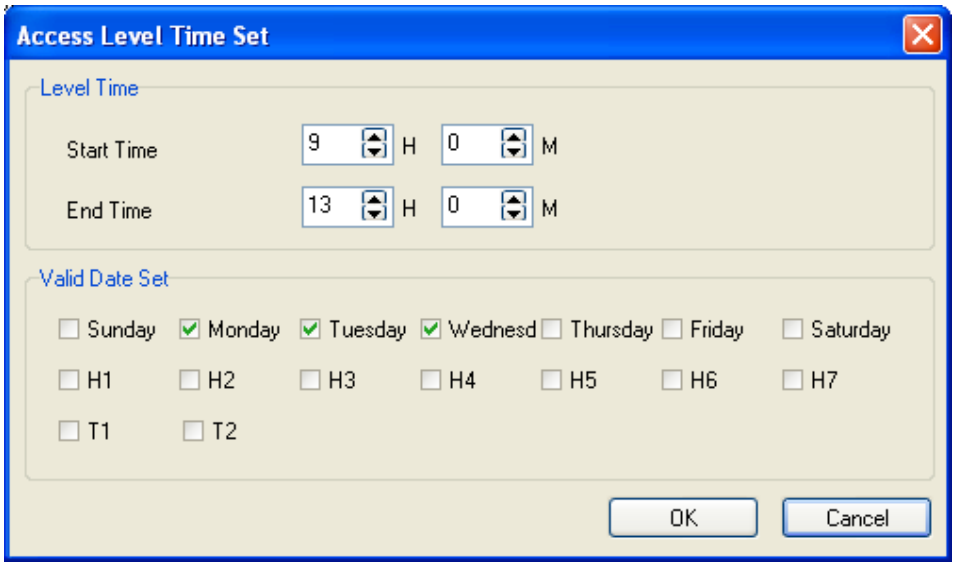


Figure 7-25

7.1.4.4 Personnel Access Level

Access levels (Time Table) can be set up within this screen (Figure7-26) by right clicking the value in the "Time Table" column. User may prefer to set up access levels using the Access Levels sub menu at Setup -> Cards Menu where access levels, departments, sub departments, and personnel can be copied and pasted.

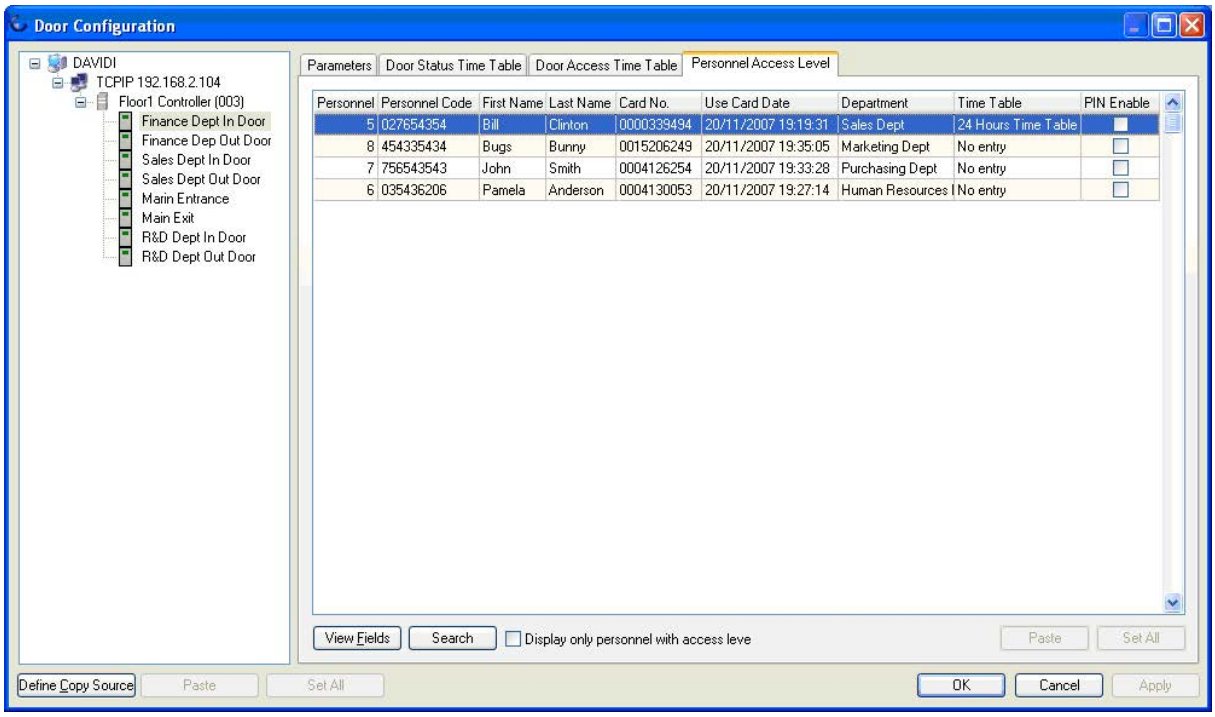


Figure 7-26

7.1.5 TA7001

For future use.

7.1.6 Controller Components

Clicking on the Control Components sub-menu item on the Setup -> Hardware menu will open the Controller Components List screen (Figure 7-27). A Controller Component is any of the controller components (Door, Lock, Door Sensor, Exit button, Aux Input, Aux Output, Reader). These components can be renamed by highlighting the Component, right clicking, then selecting Rename or alternatively clicking on the Rename button.

Depending upon the type of Component, other functions are available. For example highlighting on a door, then right clicking will bring up a menu that allows the user to force open the door manually. Right clicking on a Door sensor allows the door status to be changed. (Figure 7-27)

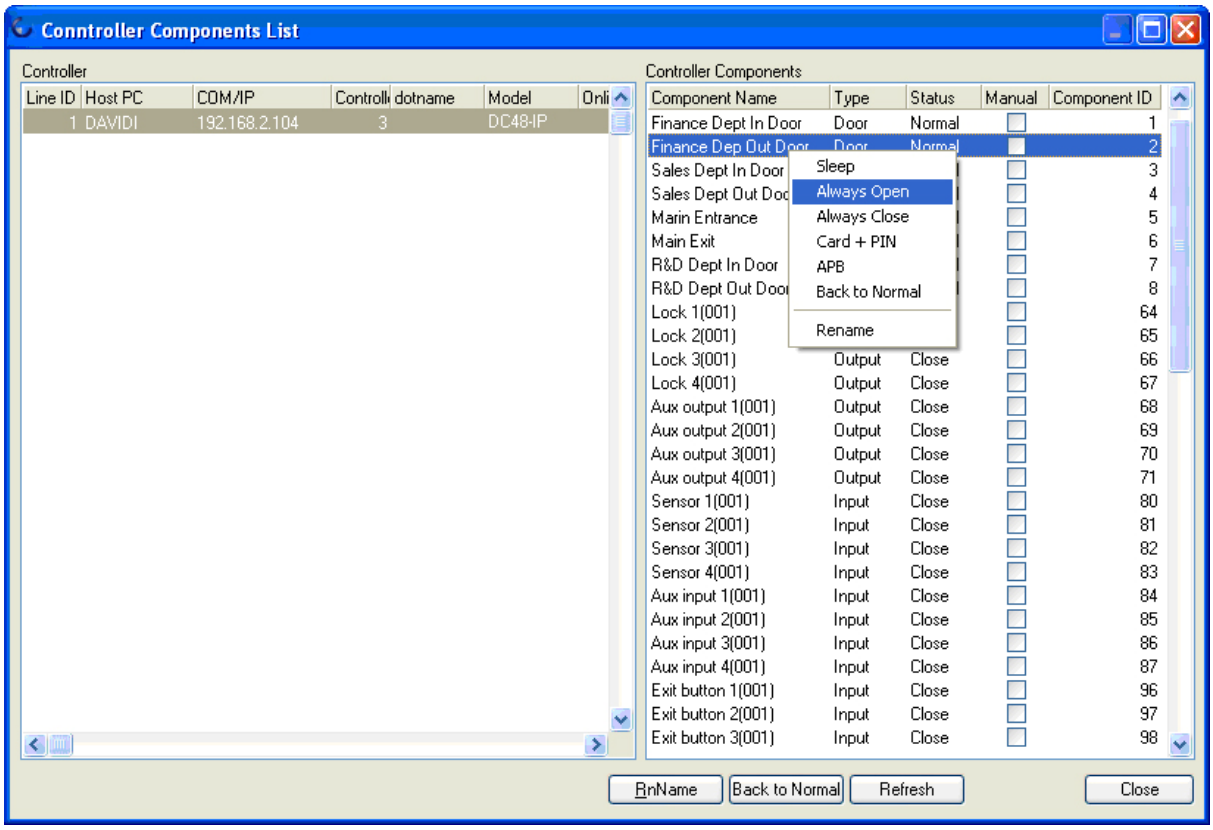


Figure 7-27

Using the Controller Manager or the Multi Site View allows similar control but more graphical and easier (Section 9.3).

7.2 Cards

7.2.1 Card List

The Card List, sometimes called a Card Register or a Card Store, contains all the cards that have been entered into the database. A card must be entered into the Card List before it can be allocated to Personnel (Figure 7-28) or will be entered automatically while allocating it to Personnel. Cards can be entered individually or in a bulk as a group. Cards can also be deleted using this screen.

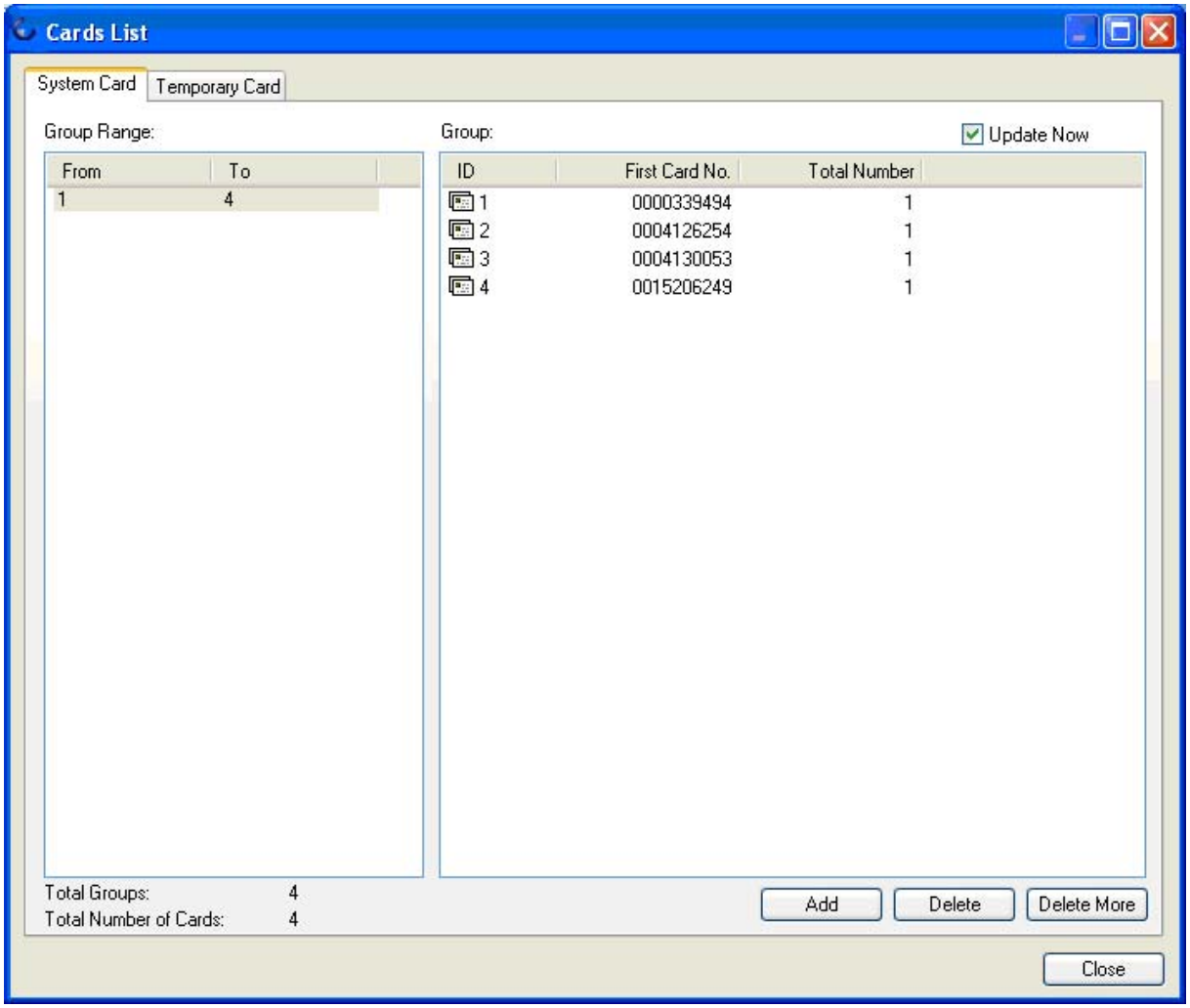


Figure 7-28

7.2.1.1 Adding a Card

Up to 30,000 cards can be added to the I-CON TC3XY series controllers. The way a card number is handled by the I-CON TC3XY controllers is different to most access control systems. Instead of the traditional method of using a site or facility code followed by a card number, the electronic card number is read as a single string. This allows multiple card formats to be used on the same controller. This also means that cards entered into the I-CON Sphinx 4 software are unlikely to have the same card number as appears on the card. See the Wiegand Format Setup Section 7.6 for more information on how card numbers are handled by the system. To add a card click on the "Add" button on the card list screen (Figure 7-28). The screen in Figure 7-29 will appear. There are

now three options available for the user to add a card to the Card List.

The 1st option is to type the card number directly into the box adjacent to the "Start Card No" label. The card number can be easily found by presenting the card at a reader then reading the number off the "Events Monitor" screen under the "Monitor" menu.

The 2nd option is to tick the "Retrieve Card Number From Desktop Reader" box and present the card at a desktop reader that has been connected to the PC communication port. This port is specified under the Setup -> Communication Configuration -> Desktop Reader tab (Section 7.8.4).

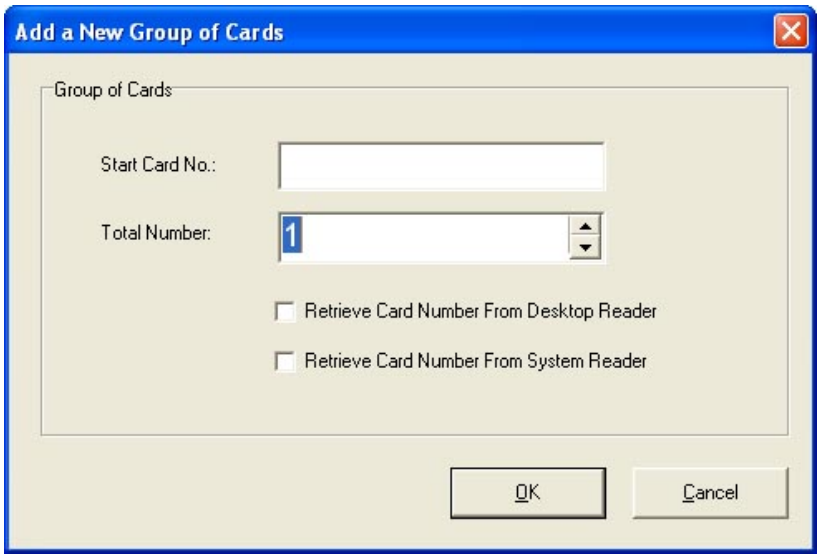


Figure 7-29

The 3rd option is to tick the "Retrieve Card Number From System Reader" box and present the card at a valid access control reader. Note that any access control reader can be used; there is no requirement to use a specific access reader.

If you would like to add only 1 cad "Total Number" should be 1. If you would like to add 5 cards with a increasing sequenced number enter 5 at the "Total Number". In Figure 7-30 we can see how we add the following card numbers 4111724, 4111725, 4111726, 4111727, 4111728.

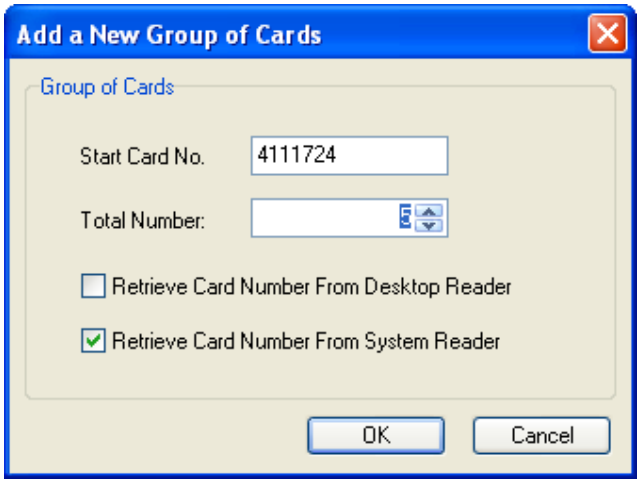


Figure 7-30

Once you click OK, the card number will be added to the list.

Once the last card number has been entered, click "Cancel", check that the numbers have been added, and then click "Close".

7.2.1.2 Deleting a Card

To delete a card from the Card List, highlight the card, then click on the "Delete" key. Click "Yes" to accept the confirmatory question (Figure 7-31).

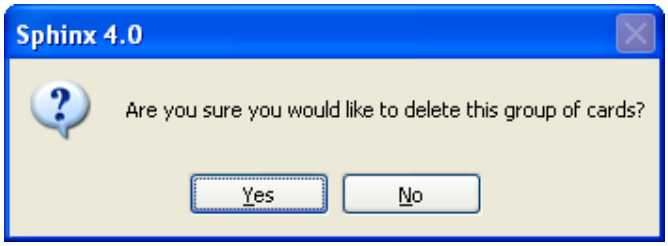


Figure 7-31

You may also delete several groups of cards by clicking "Delete More" entering the range of card groups.

7.2.1.3 Temporary Card List

The I-CON TC3XY series of access controllers can support up to 500 temporary cards. To access the Temporary Card List click on the Temp. Card tab under Setup -> Cards -> Card List menu. The Temporary Card List screen will appear (Figure 7-32).

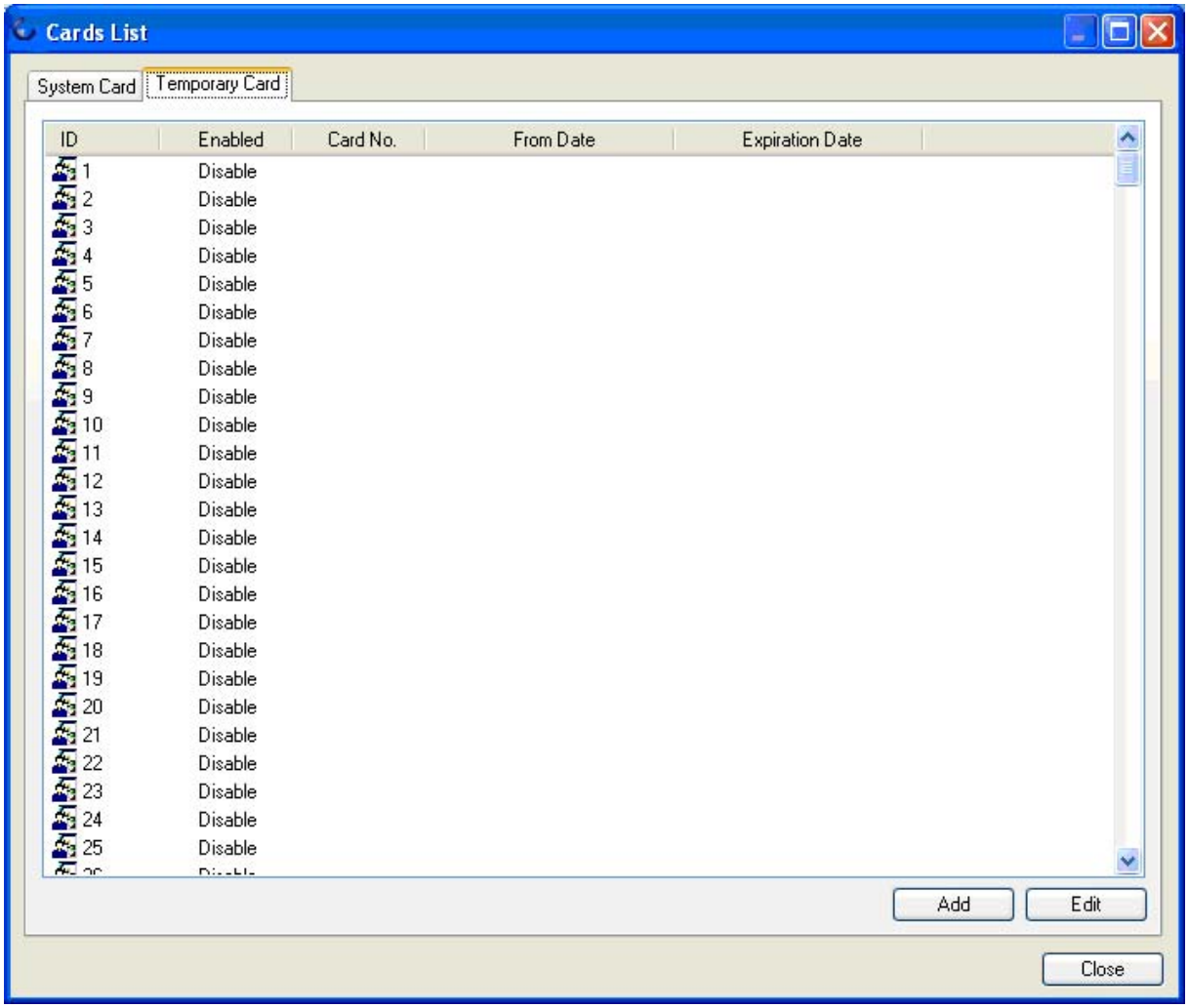


Figure 7-32

Enable a card by clicking the "Add" button on the Temporary Card (Figure 7-32). A Temporary Card screen (Figure 7-33) will appear.

Click on the "Enable" drop down menu (Figure 7-33), select "Enable", allocate a card number (Section 7.3.1), enter From time/date, an Expiration time/date then click "OK". Note that this process only adds a temporary card to the Temporary Card List; it still needs to be allocated to a personnel (Section 7.2.2Once allocated, a Temporary Card record may be edited. Highlight the record then click the "Edit" button (Figure 7-32).

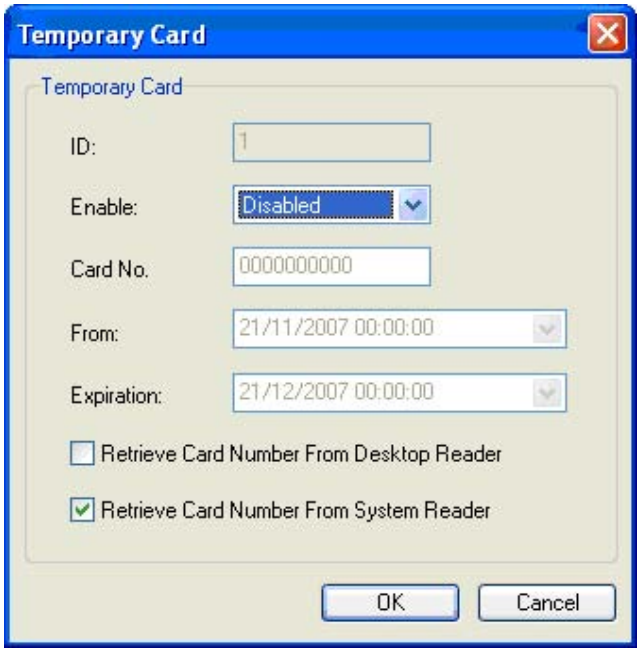


Figure 7-33

Temporary Card List will be used for the Visitors List (Section 7

7.2.2 Personnel List

The Personnel List is where the main user information is entered. Select "Personnel List" on the main menu bar or choose "Personnel List" from the Setup -> Card sub-menu (see Figure 7-34). All the individual Personnel information can be found in this screen. Personnel can be added, modified or deleted. From this screen Personnel records can also be exported into Excel, Text, Html or MS-Word file.

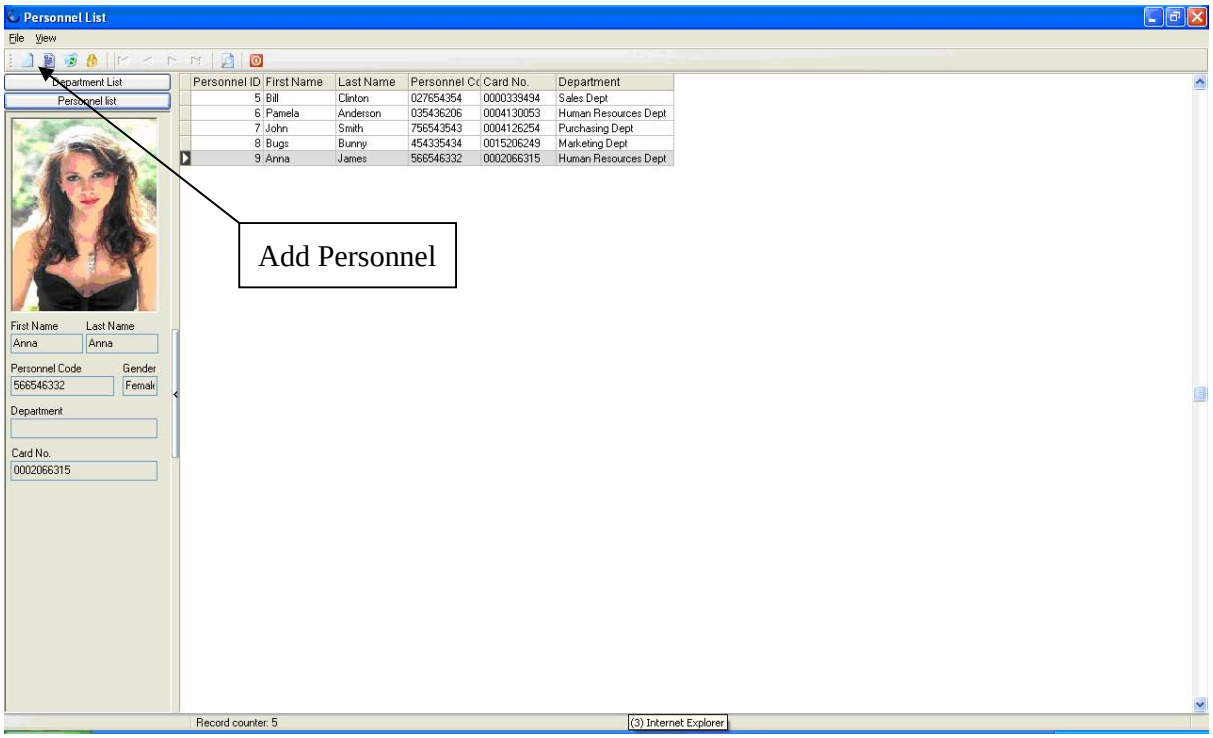

Personnel List
File View
Department List
Personnel list
Personnel ID First Name Last Name Personnel Cc Card No. Department
5 Bill Clinton 027654354 0000339494 Sales Dept
6 Pamela Anderson 035436206 0004130053 Human Resources Dept
7 John Smith 756543543 0004126254 Purchasing Dept
8 Bugs Bunny 454335434 0015206249 Marketing Dept
9 Anna James 566546332 0002066315 Human Resources Dept
Add Personnel
First Name Last Name
Anna Anna
Personnel Code Gender
566546332 Femak
Department
Card No.
0002066315
Record counter: 5
(3) Internet Explorer

Figure 7-34

7.2.2.1 Adding a Personnel

Press the "Add" button in Figure 7.34 and Figure 7.35 will appear. Enter the card user's details.

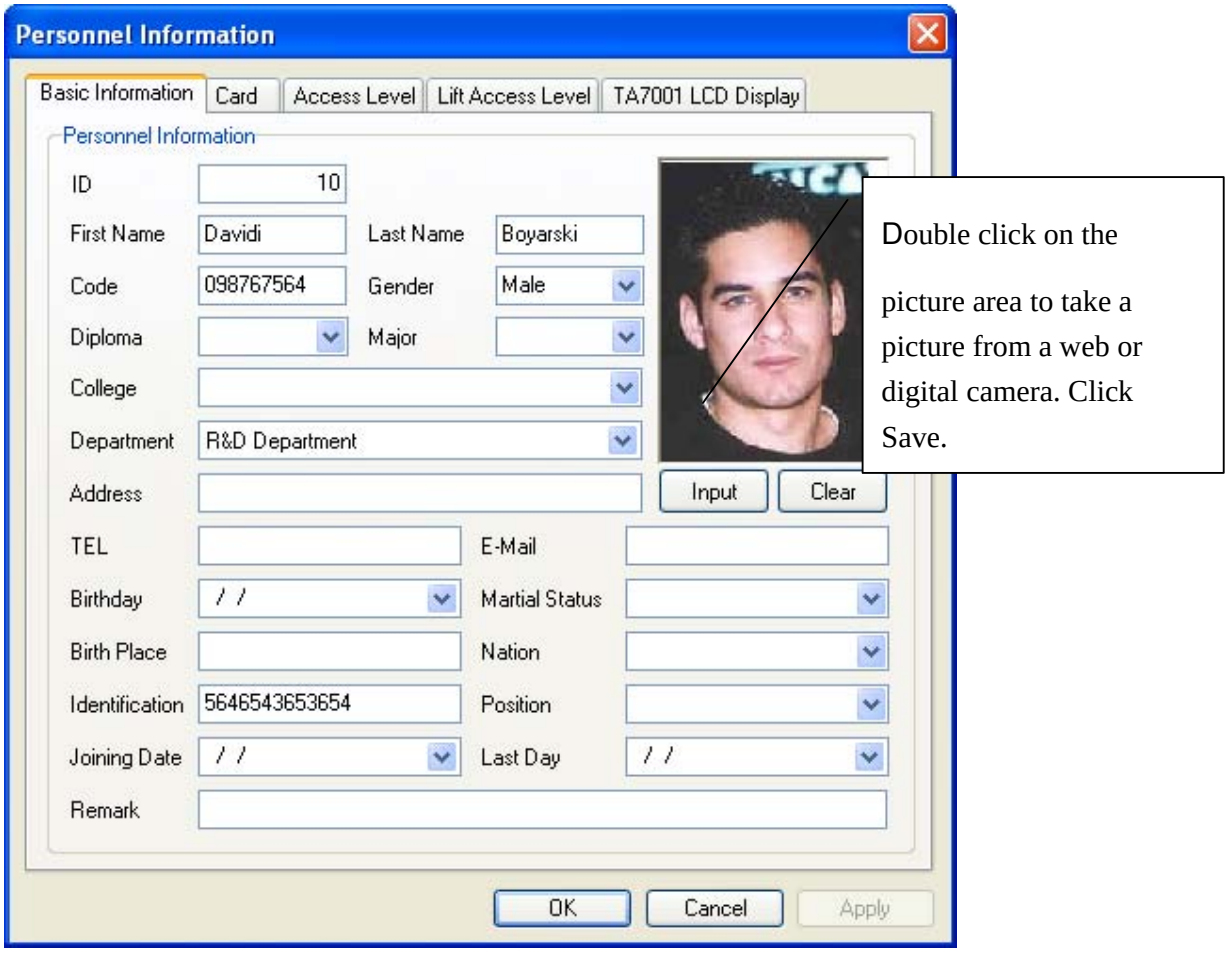


Figure 7-35

If the Personnel is an Access Card user and requires an access card, as opposed to a Time & Attendance user that may not have a card, go to the "Card" tab and tick the "Use Access Card" option. The card number can be entered directly or click on the "Cards List" button to select an available card from the Cards List (Figure 7-36,7-37).

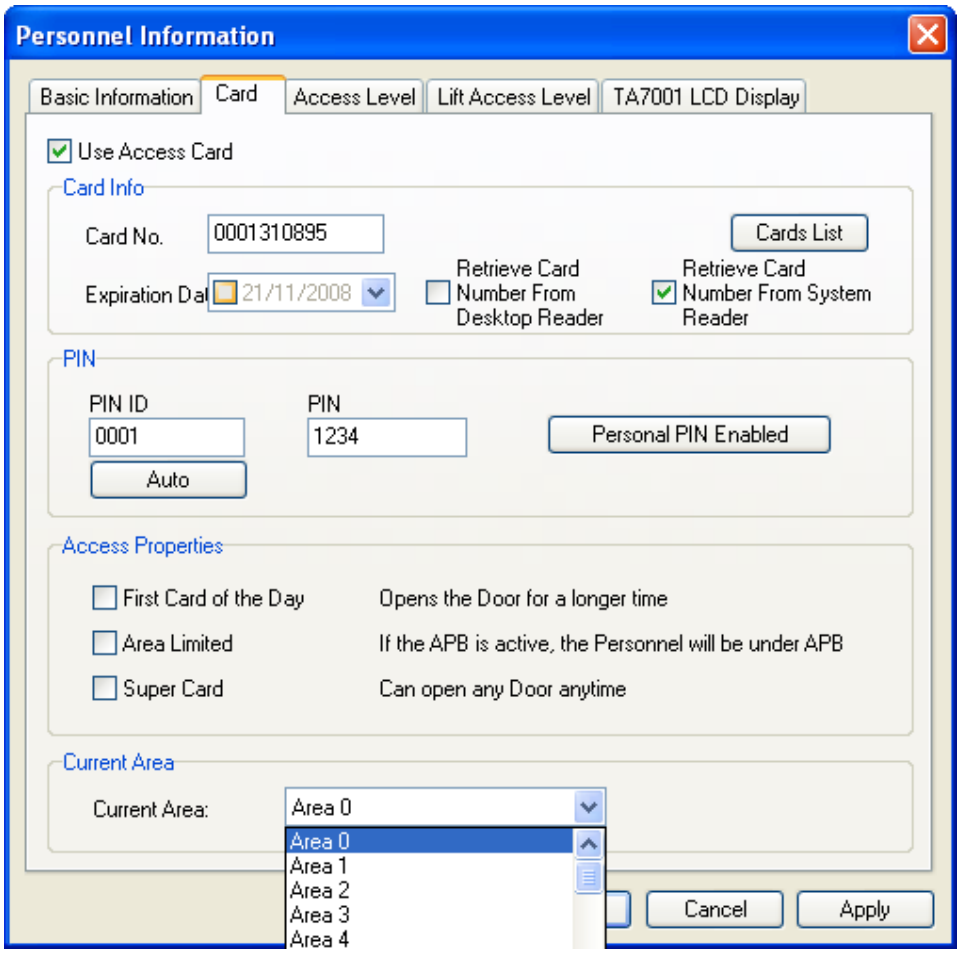

Personnel Information
Basic Information
Card
Access Level
Lift Access Level
TA7001 LCD Display
Use Access Card
Card Info
Card No.
0001310895
Cards List
Expiration Dat
21/11/2008
Retrieve Card Number From Desktop Reader
Retrieve Card Number From System Reader
PIN
PIN ID
0001
PIN
1234
Personal PIN Enabled
Auto
Access Properties
First Card of the Day
Opens the Door for a longer time
Area Limited
If the APB is active, the Personnel will be under APB
Super Card
Can open any Door anytime
Current Area
Current Area:
Area 0
Area 0
Area 1
Area 2
Area 3
Area 4
Cancel
Apply

Figure 7-36

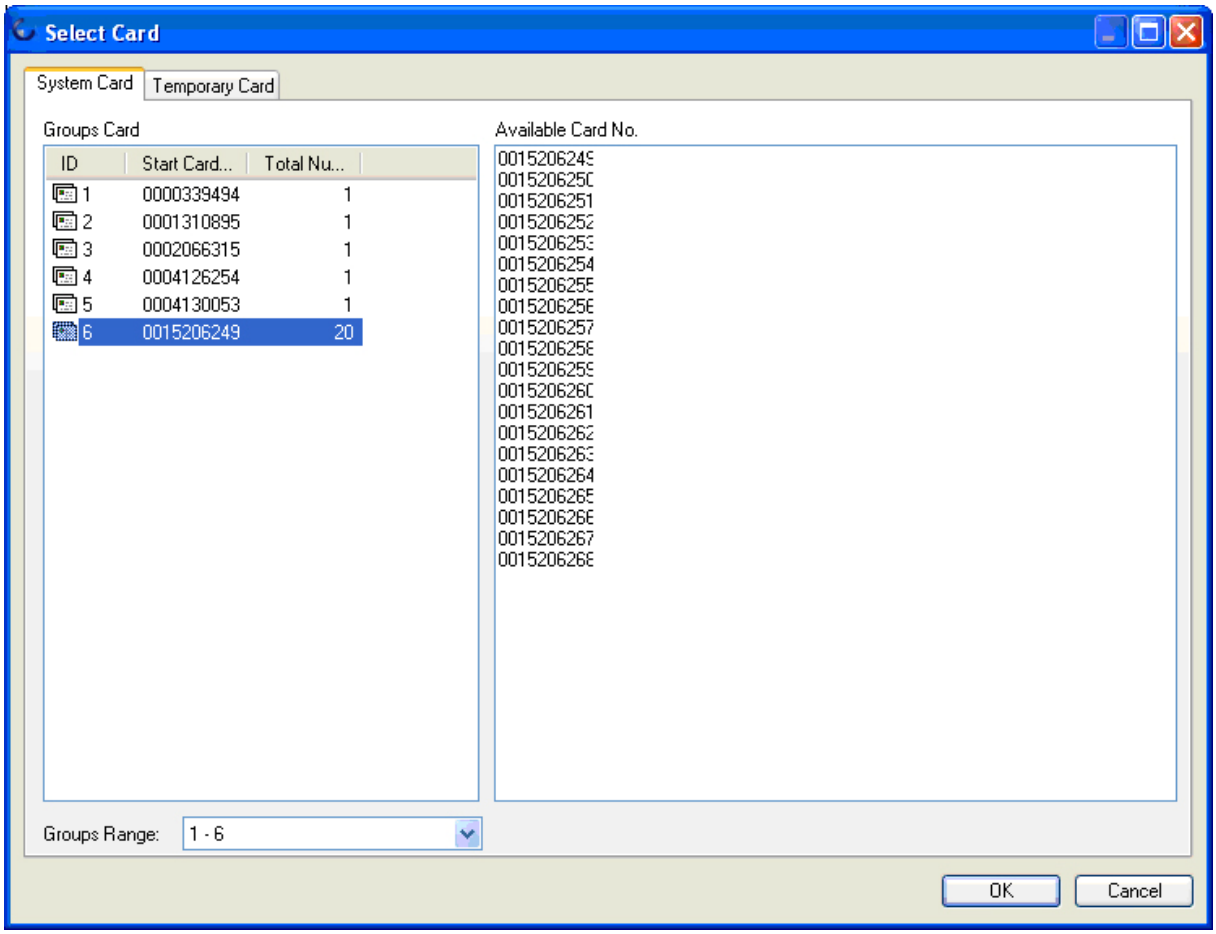


Figure 7-37

Highlight a group of cards (or a single card) in the left hand panel then select a single card from the resulting cards that are listed in the right hand panel. If no cards are listed in the right hand panel, it means that all cards in the Card List have already been issued to other Personnel. As shown in Figure 7-36 you may add a new card using a system readers or a Desktop reader (connected through the serial port to the PC). A card can also be given a PIN number and an expiry date (Figure 7.36). The "Temporary Cards" tab on the "Select Card" screen (Figure 7.7) is used to choose an existing temporary card (Section 7.2.1.3).

PIN – Sphinx 4 allows the user to have 2 ways of using PIN. The first is using valid card flashing + PIN + ENT (the # button on the reader). If the door is configured to require a PIN when a card is flashed (see section 7.1.4.1 PIN Required: Enable). After flashing the card, the keypad reader (e.g.

5512KE) LED will flash, then the personnel will key in its PIN (e.g. 1234) and ENT and the door lock will be opened.

Clicking the "Personal PIN Enabled" button will allow to use the "Personal PIN". With a Personal PIN the Personnel can open a door by just entering an 8 digit PIN number and without the need to flash a card.
This can be used in case the personnel forgot his card. Click "Personal PIN Enabled"
The dialog box as in Figure 7-38 will be opened

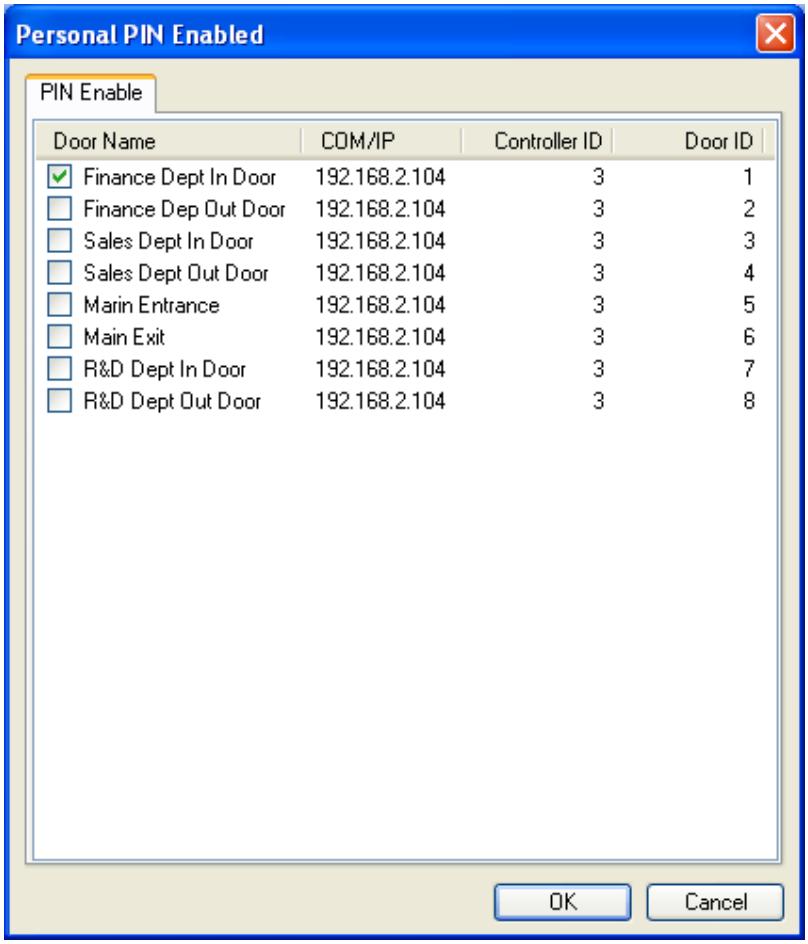

Personal PIN Enabled
PIN Enable
Door Name
COM/IP
Controller ID
Door ID
Finance Dept In Door 192.168.2.104 3 1
Finance Dep Out Door 192.168.2.104 3 2
Sales Dept In Door 192.168.2.104 3 3
Sales Dept Out Door 192.168.2.104 3 4
Marin Entrance 192.168.2.104 3 5
Main Exit 192.168.2.104 3 6
R&D Dept In Door 192.168.2.104 3 7
R&D Dept Out Door 192.168.2.104 3 8
OK
Cancel

Figure 7-38

Tick the doors you would like the Personal PIN to apply for and click OK.

Set the PIN ID and the PIN for the personnel. Click Apply. The door will be opened if ESC ("*"

button) + PIN ID + PIN + ENT ("#" button) will be entered in the keypad reader ("ESC 0001 1234 ENT" for the case above in 5512KE reader).

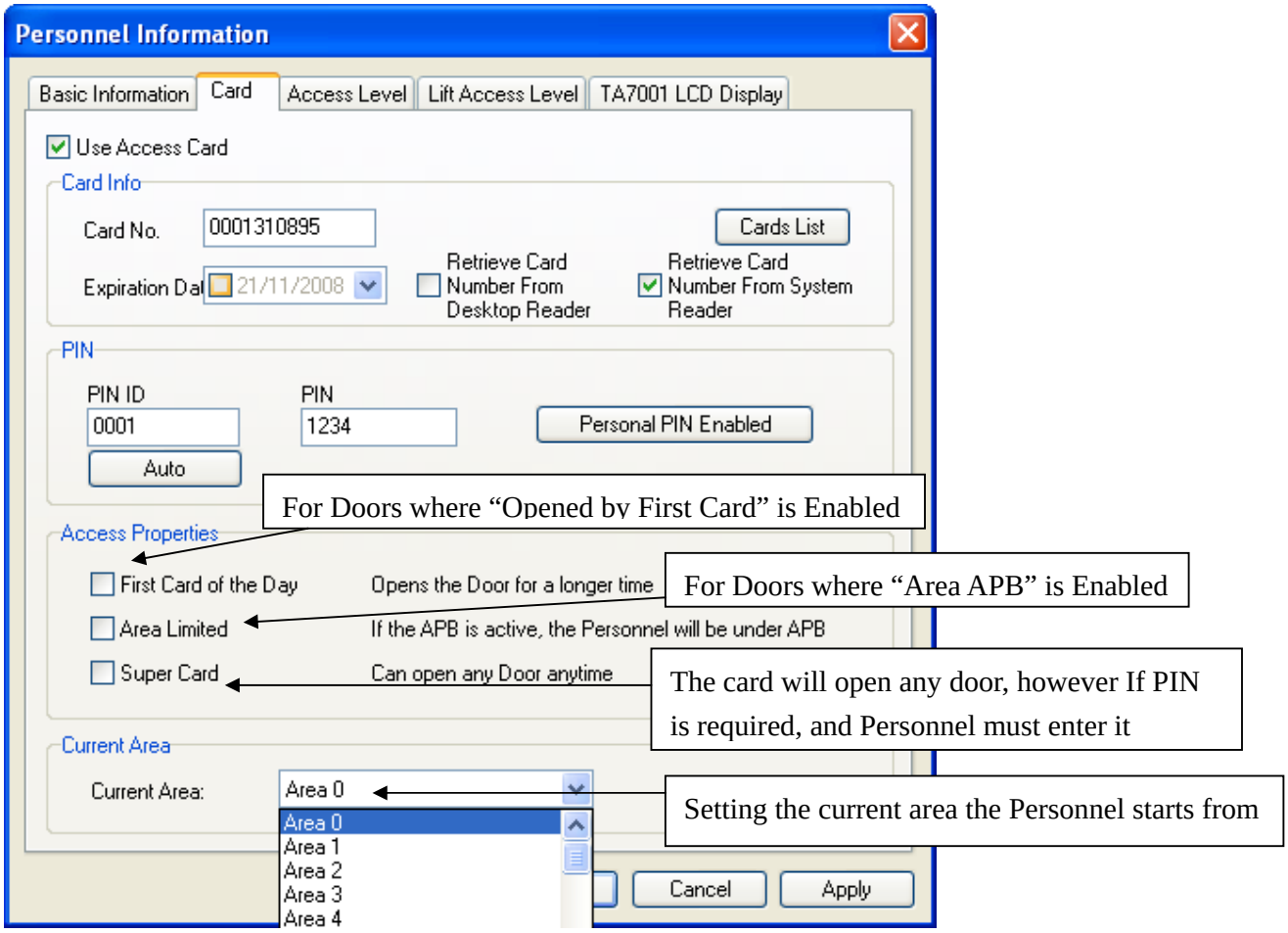


Figure 7-39

Access Level – Access Level of the Personnel will be set in the "Access Level" tab, giving the Personnel the access to each one of the doors (Figure 7-40). The Access Level Time Tables of each door are defined as described in section 7.1.4.3. Please note, Day Time Table of Door1 can be different from Day Time Table of Door2.

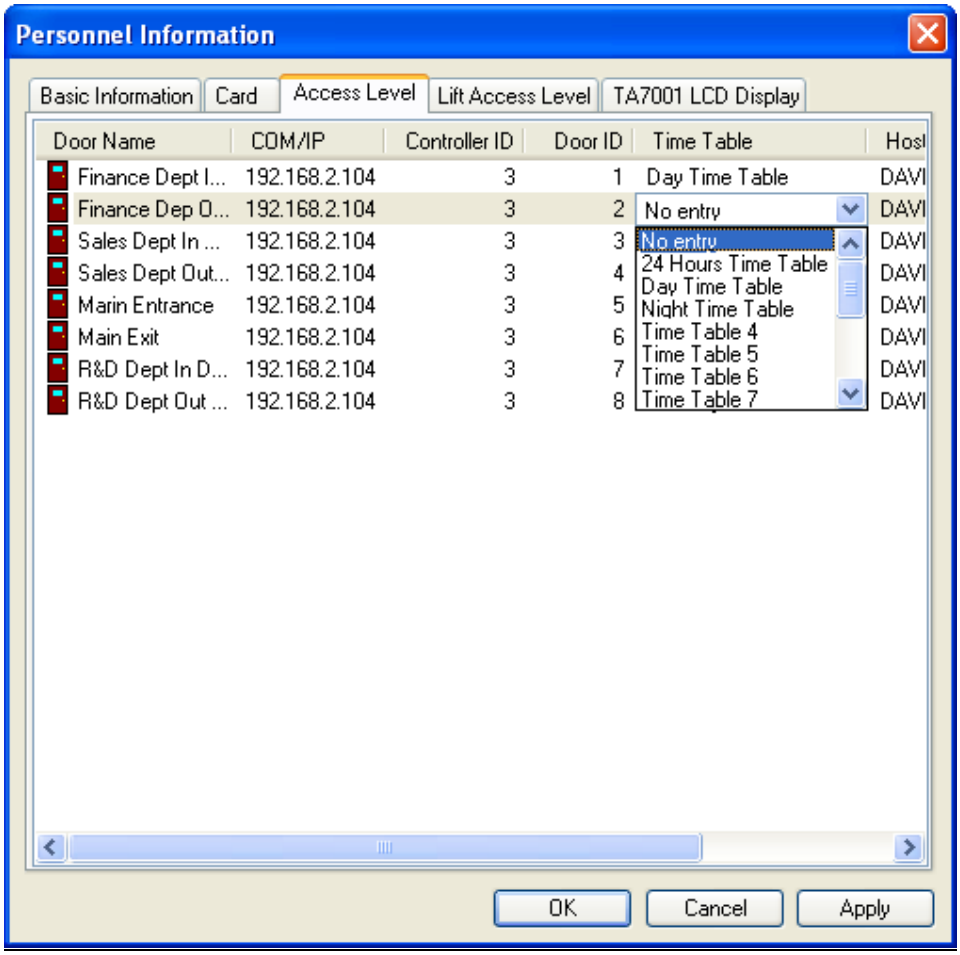


Figure 7-40

LIFT Access Level – I-CON is providing leading Lift (Elevators) controllers. LPU8000 with built in TCP/IP communication and the LPU8001 which is the expansion board can handle up to 128 floors buildings.

The controllers can work offline as well, while Sphinx 4 software is not connected.

Sphinx 4 is intelligently integrating the LPU8000/1. LPU8000/1 configuration, cards, personnel, access levels, graphics is performed in a very similar way to the rest of I-CON controllers' .This creates efficiency in setup and use. Since a Lift has a door, we treat this door like any door and configure its Access Level Time Tables

As shown in section 7.1.4.3. In Figure 7-41 we can see that We set the Day Time Table for Lift

Controller (007) (door). This means if the person will flash his card during this time table he will be able to go to each one of the floors ticked in the "Lift Access Level" tab (Figure 7-42).

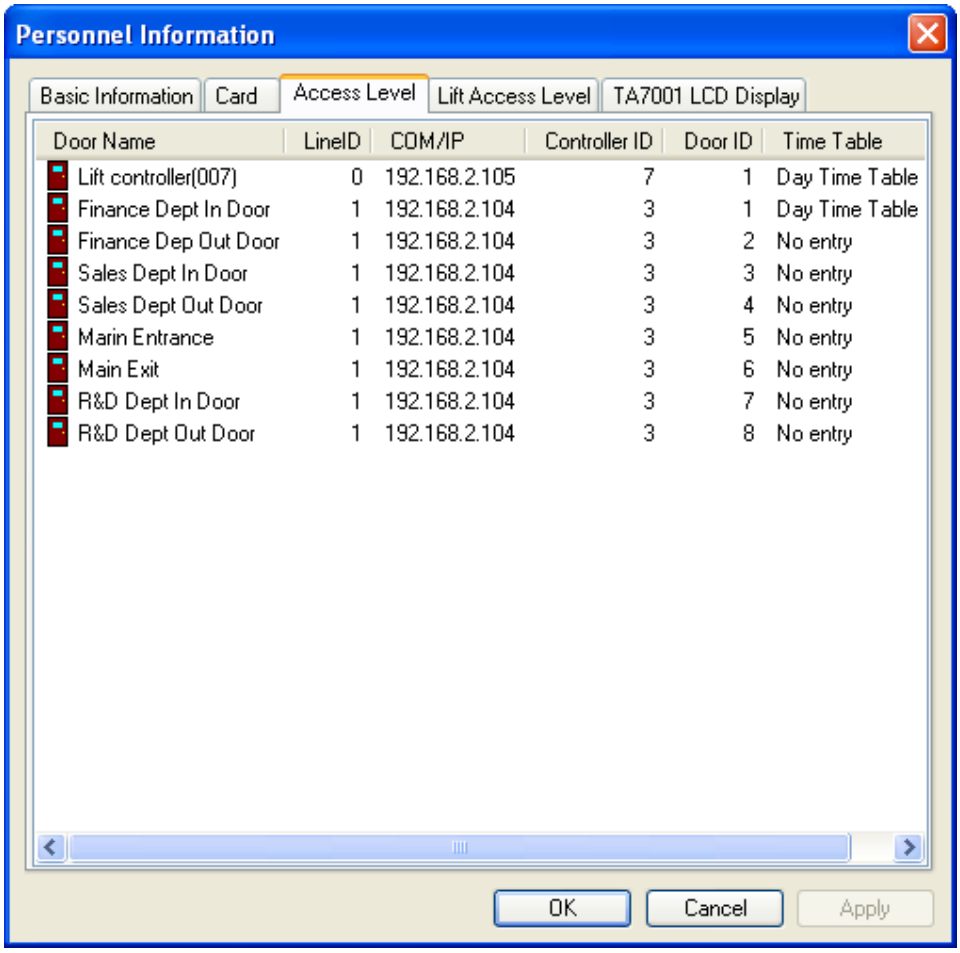

Personnel Information
Basic Information
Card
Access Level
Lift Access Level
TA7001 LCD Display
Door Name
LineID
COM/IP
Controller ID
Door ID
Time Table
Lift controller(007) 0 192.168.2.105 7 1 Day Time Table
Finance Dept In Door 1 192.168.2.104 3 1 Day Time Table
Finance Dep Out Door 1 192.168.2.104 3 2 No entry
Sales Dept In Door 1 192.168.2.104 3 3 No entry
Sales Dept Out Door 1 192.168.2.104 3 4 No entry
Marin Entrance 1 192.168.2.104 3 5 No entry
Main Exit 1 192.168.2.104 3 6 No entry
R&D Dept In Door 1 192.168.2.104 3 7 No entry
R&D Dept Out Door 1 192.168.2.104 3 8 No entry
OK
Cancel
Apply

Figure 7-41

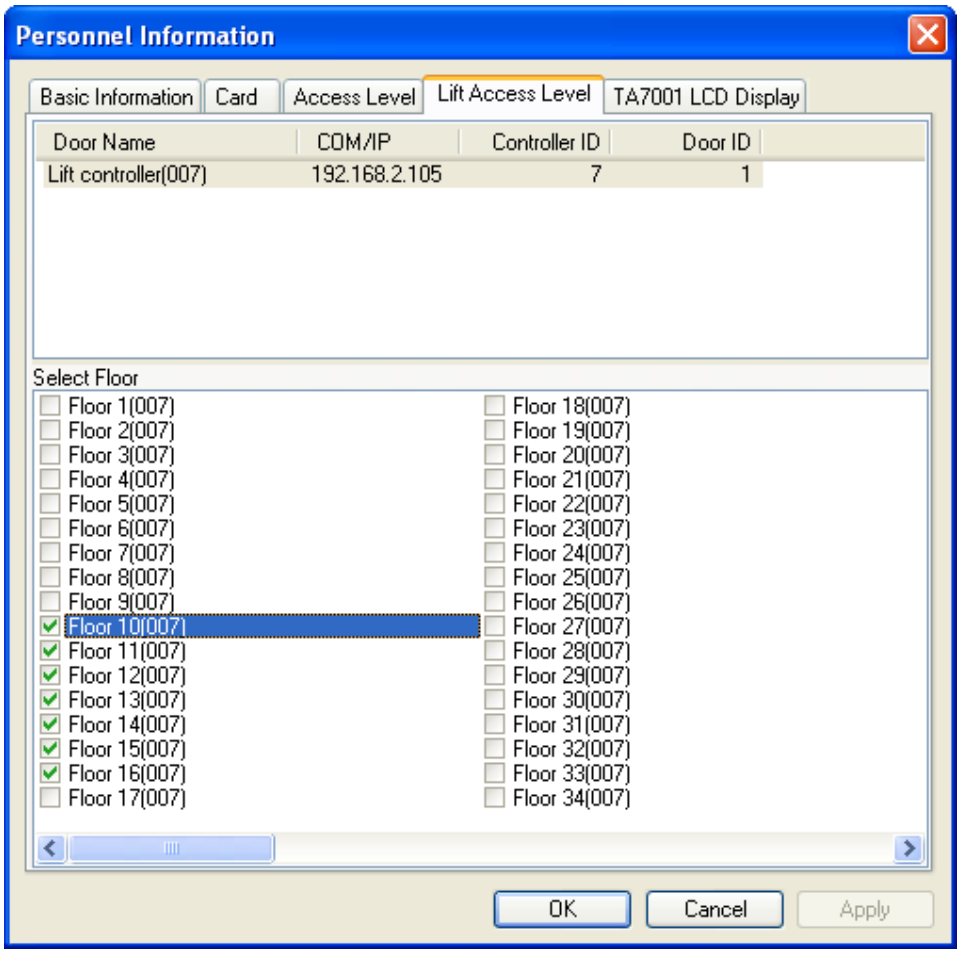


Figure 7-42

The Lift door will be opened for the Personnel and he will be able to push each on of the Floors 10...16
Buttons to go to these floors. Pushing the buttons of the other floors is voided.

TA7001 LCD Display – Will present a customized text message, e.g. "Good Morning" to the Personnel (Figure 7-43).

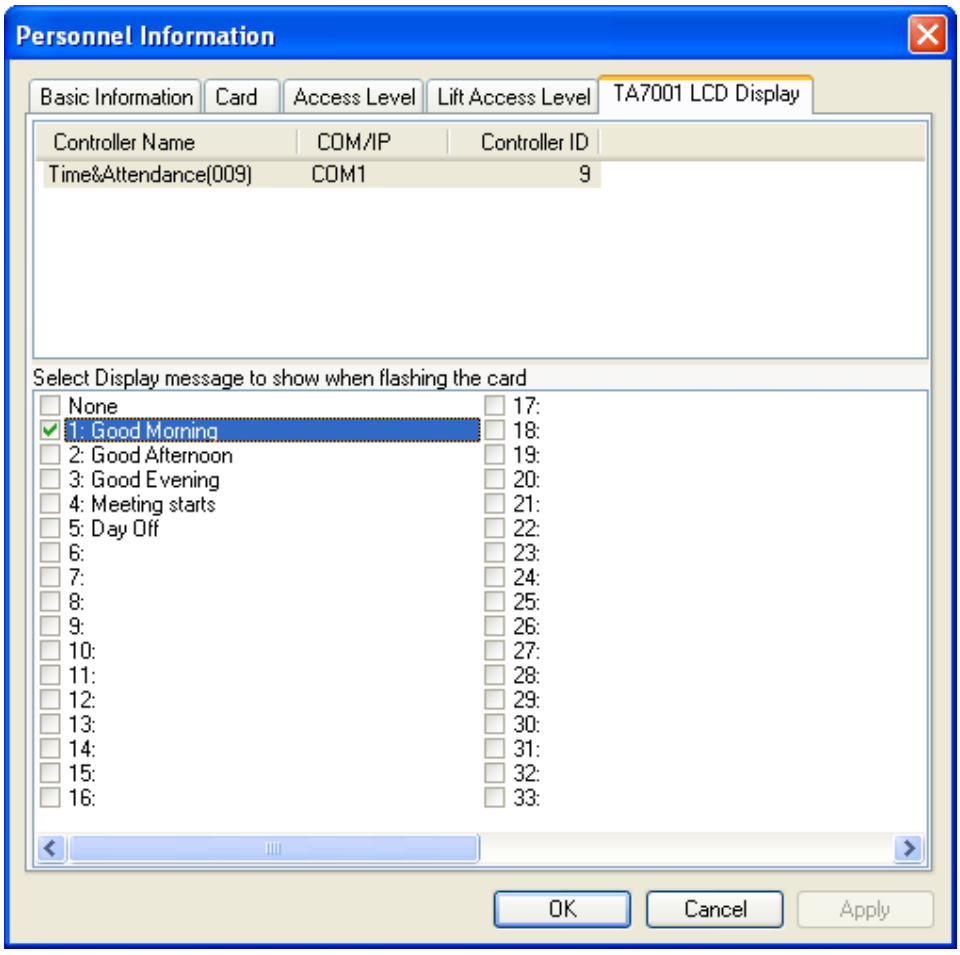


Figure 7-43

7.2.2.2 Editing a Personnel

Personnel can be edited (Figure 7-34). Highlight the user then click on the "Edit" button. The same screens as Section 7.2.1 apply.

7.2.2.3 Deleting a Personnel

Personnel can be deleted (Figure 7-34). Highlight the user then click on the "Delete" button. Click "Yes" when asked if you want to delete this user (Figure 7-44). The user will then disappear from the Personnel List.

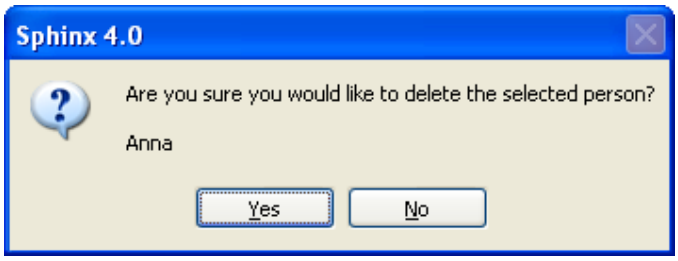


Figure 7-44

7.2.3 Access Level

This screen is used to allocate to individual Personnel Time Tables for doors and also copy a Personnel's access levels to another Personnel (Figure 7-46). To allocate to an individual Personnel a time Table, highlight the person you wish to allocate a time Table for, select the door and a valid time Table from the drop down menu. To copy a Personnel's access levels from one Personnel to another, first highlight the Personnel whose access levels you wish to copy and click on the "Copy" button. The person who you are copying from will turn green, and then highlight the Personnel that you wish to copy the access levels to and click on the "Paste" button. To continue copying to other Personnel continue to highlight the other Personnel and click "Paste".

You can also copy a Personnel Access Level from Personnel to all members of that Department or Sub Department. Click on the Personnel who has the correct access level for the Department or Sub Department that you wish to copy, then click the "Set Dept Level". A screen will appear asking if you wish to copy the access level from this particular person to all members of his department or group. (Figure 7-45)

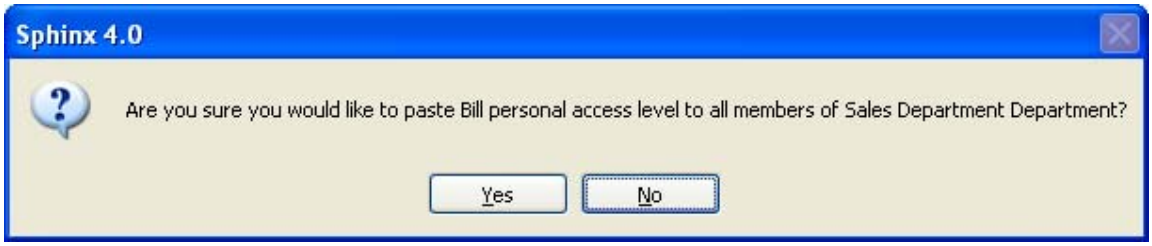

Sphinx 4.0
Are you sure you would like to paste Bill personal access level to all members of Sales Department Department?
Yes
No

Figure 7-45

In the example above the user is copying the access level for the Personnel "Bill Clinton" to all Personnel that have the same department, i.e. Sales Department.

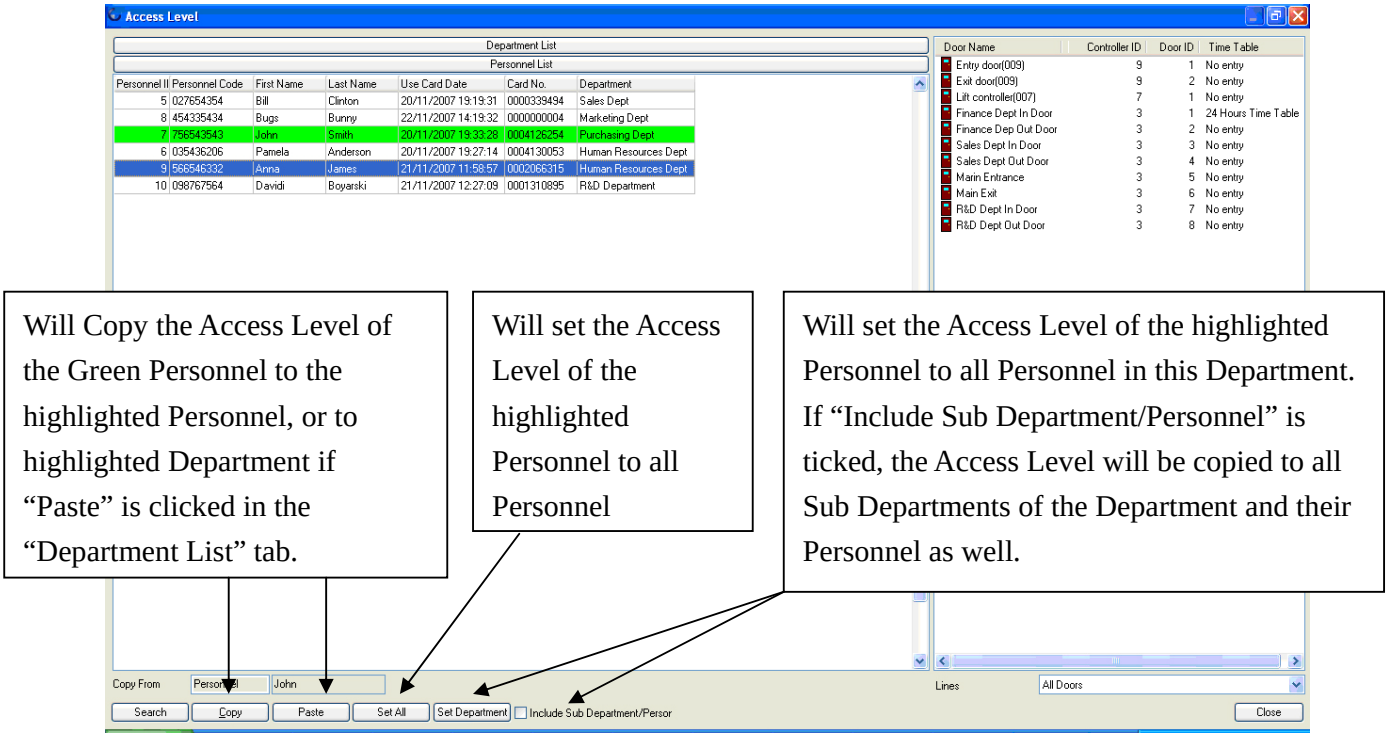

Access Level
Department List
Personnel List
Personnel II
Personnel Code
First Name
Last Name
Use Card Date
Card No.
Department
5 027654354 Bill Clinton 20/11/2007 19:19:31 0000339494 Sales Dept
8 454335434 Bugs Bunny 22/11/2007 14:19:32 0000000004 Marketing Dept
7 756543543 John Smith 20/11/2007 19:33:28 0004126254 Purchasing Dept
6 035436206 Pamela Anderson 20/11/2007 19:27:14 0004130053 Human Resources Dept
9 566546332 Anna James 21/11/2007 11:58:57 0002066315 Human Resources Dept
10 098767564 Davidi Boyarski 21/11/2007 12:27:09 0001310895 R&D Department
Door Name
Controller ID
Door ID
Time Table
Entry door(009) 9 1 No entry
Exit door(009) 9 2 No entry
Lift controller(007) 7 1 No entry
Finance Dept In Door 3 1 24 Hours Time Table
Finance Dep Out Door 3 2 No entry
Sales Dept In Door 3 3 No entry
Sales Dept Out Door 3 4 No entry
Marin Entrance 3 5 No entry
Main Exit 3 6 No entry
R&D Dept In Door 3 7 No entry
R&D Dept Out Door 3 8 No entry
Will Copy the Access Level of the Green Personnel to the highlighted Personnel, or to highlighted Department if "Paste" is clicked in the "Department List" tab.
Will set the Access Level of the highlighted Personnel to all Personnel
Will set the Access Level of the highlighted Personnel to all Personnel in this Department. If "Include Sub Department/Personnel" is ticked, the Access Level will be copied to all Sub Departments of the Department and their Personnel as well.
Copy From
John
Lines
All Doors
Search
Copy
Paste
Set All
Set Department
Include Sub Department/Person
Close

Figure 7-46

Clicking the "Department List" tab on the upper left hand side of the screen in Figure 7-46 will show the Department List Access Level. In a similar way to the Personnel List we can copy the Access Level from one
Department to the other, or Set to All departments (Figure 7-47).

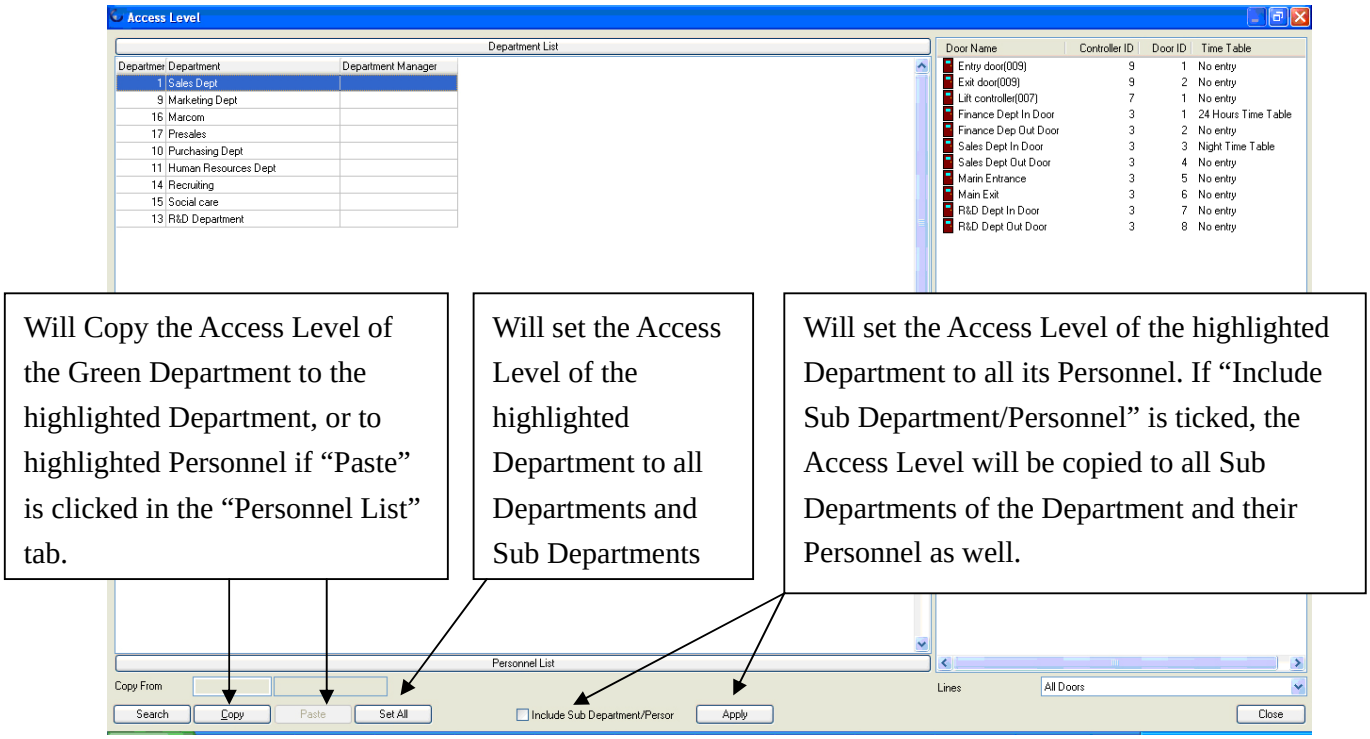

Access Level
Department List
Department
Department Manager
1 Sales Dept
9 Marketing Dept
16 Marcom
17 Presales
10 Purchasing Dept
11 Human Resources Dept
14 Recruiting
15 Social care
13 R&D Department
Door Name
Controller ID
Door ID
Time Table
Entry door(009) 9 1 No entry
Exit door(009) 9 2 No entry
Lift controller(007) 7 1 No entry
Finance Dept In Door 3 1 24 Hours Time Table
Finance Dep Out Door 3 2 No entry
Sales Dept In Door 3 3 Night Time Table
Sales Dept Out Door 3 4 No entry
Marin Entrance 3 5 No entry
Main Exit 3 6 No entry
R&D Dept In Door 3 7 No entry
R&D Dept Out Door 3 8 No entry
Will Copy the Access Level of the Green Department to the highlighted Department, or to highlighted Personnel if "Paste" is clicked in the "Personnel List" tab.
Will set the Access Level of the highlighted Department to all Departments and Sub Departments
Will set the Access Level of the highlighted Department to all its Personnel. If "Include Sub Department/Personnel" is ticked, the Access Level will be copied to all Sub Departments of the Department and their Personnel as well.
Personnel List
Copy From
Search
Copy
Paste
Set All
Include Sub Department/Persor
Apply
Lines
All Doors
Close

Figure 7-47

At the bottom left of the Personnel List/Department List Access Levels screens there is a button called "Search". Clicking this button will bring up the search screen (Figure 7-48). Clicking on the drop down box under the Fields label will list the fields on which a search can be made. Enter your data, tick any required boxes then click "First" to find the 1st entry conforming to the data, then "Next" to find any subsequent matches.

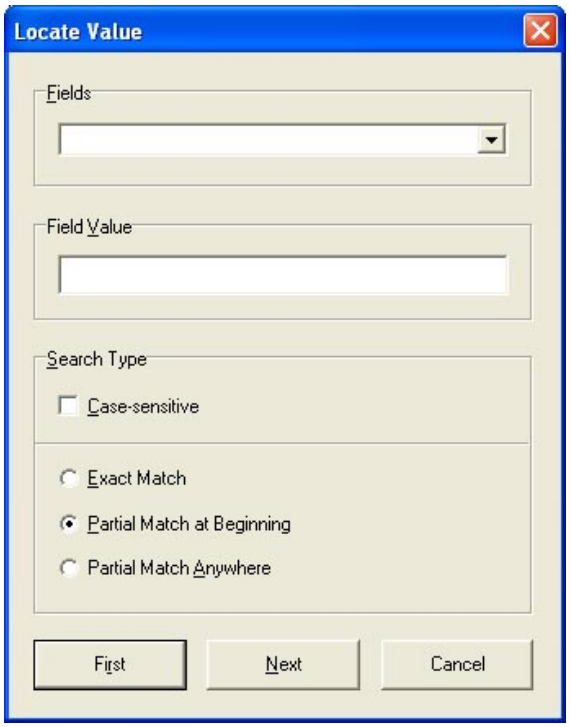


Figure 7-48

7.2.4 Personal PIN Enable

Sphinx 4 and I-CON TC3XY controllers allows opening the doors using PIN only.
As explained previously in Section 7.2.2.1 each Personnel can have a Personal PIN.
In the "Personal PIN Enable" screen we set which doors a Personnel, Department or Sub Department can open using the "Personal PIN" only. In Figure 7-49 we can see again the flexibility and power Sphinx 4 provides us through the Copy/Set All/ Set Department/Apply buttons.
These buttons functions as explained in Section 7.2.3.

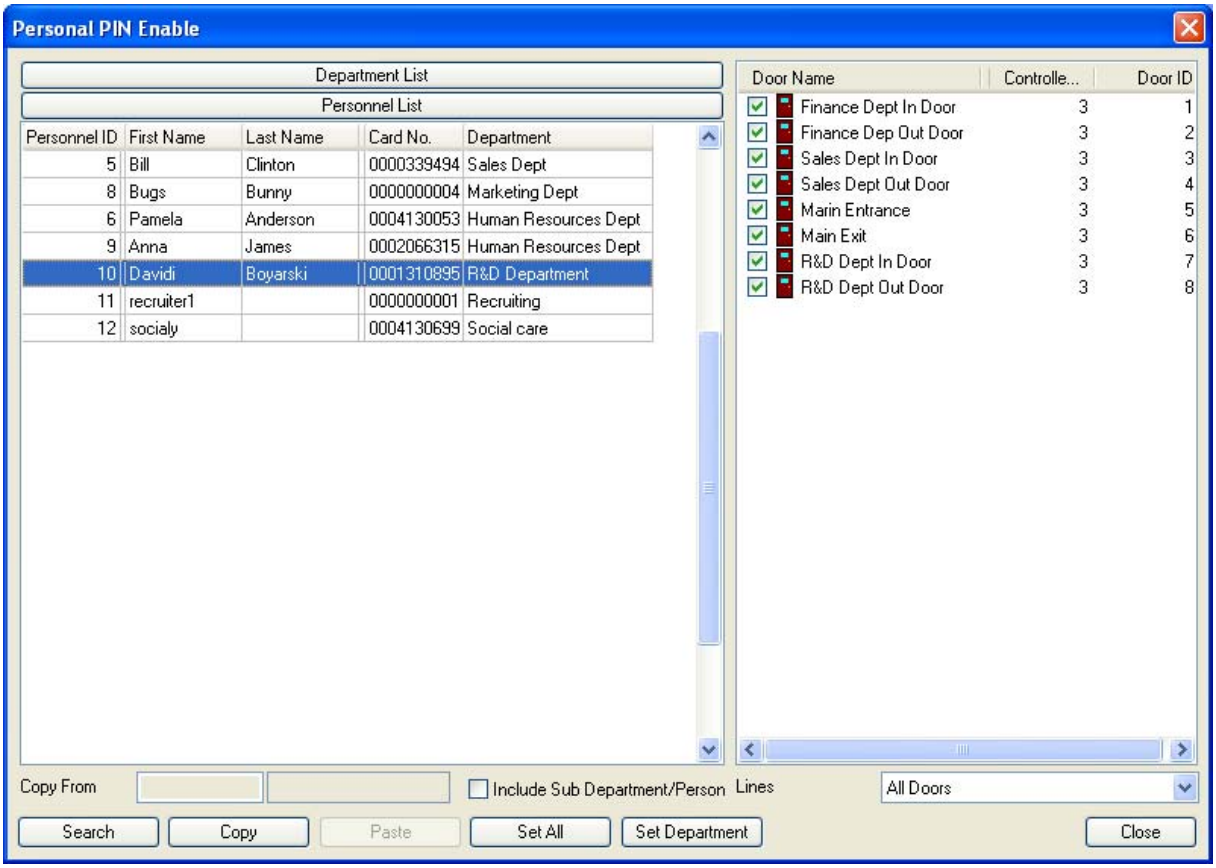


Figure 7-49

7.2.5 Visitors List

I-CON Sphinx 4 Visitors module allows issuing visitors tags to temporary visitors.
The Visitors tags will be issued from the Temporary Cards List. Adding a Temporary Card was discussed in the section of 7.2.1.3. Sphinx 4 can handle up to 500 visitors (Temporary Cards) on the same time. Usually, the Visitors Cards pool will be prepared in advance and the cards will be kept near by with the cards' number printed on the card. This way whenever a visitor arrives a card will physically taken from that pool and in the Sphinx 4 all we need to do is to enter the visitor details as below (Figure 7-50).

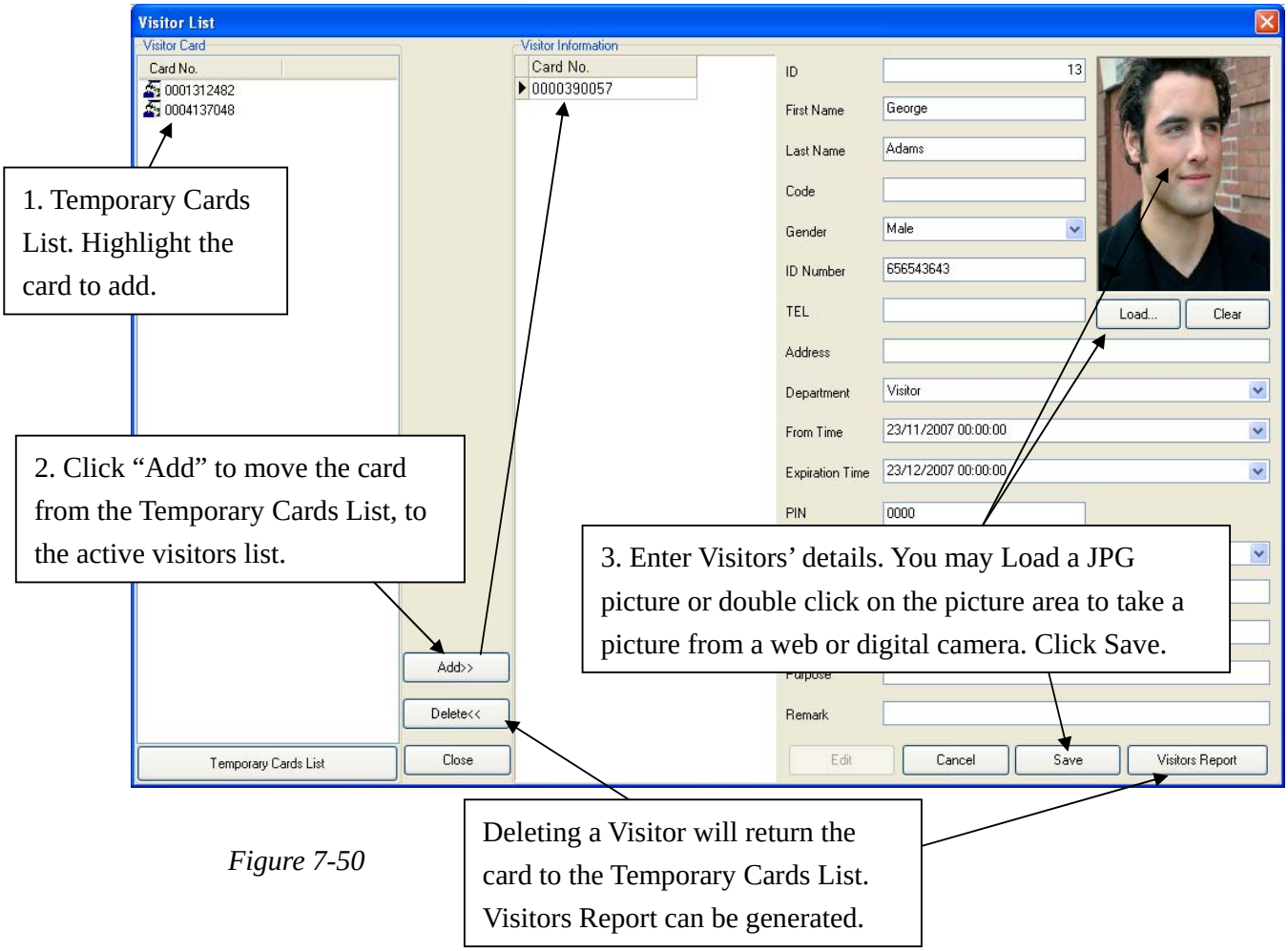

Visitor List
Visitor Card
Card No.
0001312482
0004137048
Visitor Information
Card No.
0000390057
ID
13
First Name
George
Last Name
Adams
Code
Gender
Male
ID Number
656543643
TEL
Load...
Clear
Address
Department
Visitor
From Time
23/11/2007 00:00:00
Expiration Time
23/12/2007 00:00:00
PIN
0000
Remark
Add>>
Delete<<
Close
Temporary Cards List
Edit
Cancel
Save
Visitors Report
1. Temporary Cards List. Highlight the card to add.
2. Click "Add" to move the card from the Temporary Cards List, to the active visitors list.
3. Enter Visitors' details. You may Load a JPG picture or double click on the picture area to take a picture from a web or digital camera. Click Save.
Deleting a Visitor will return the card to the Temporary Cards List. Visitors Report can be generated.

Figure 7-50

7.2.6 Lift Access Level

Sphinx 4 allows us to grant the access level to different floors when using the elevator. The access level can be granted to each Personnel individually or to Departments/Sub Departments. In section 7.2.2.1 we have set the Lift Access Level to individual Personnel. Here can set the Lift Access Level while having the entire Personnel List (Figure 7-51) or the Departments List (Figure 7-52).

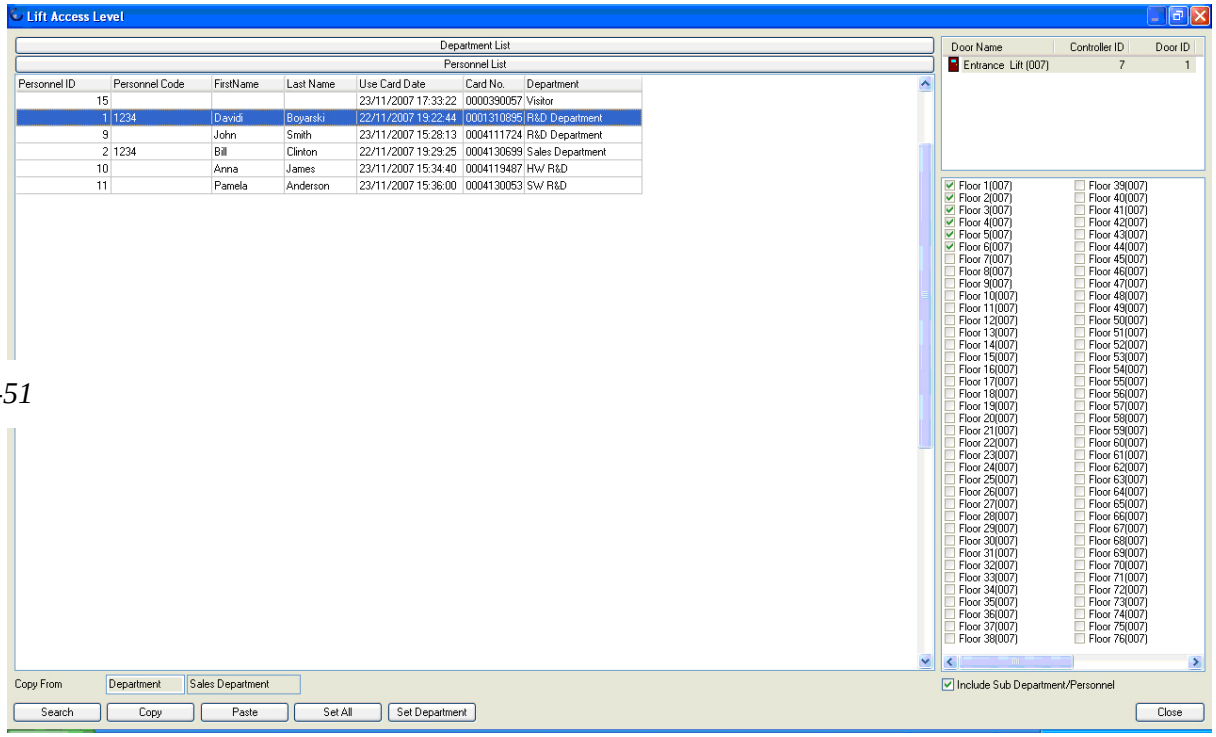


Figure 7-51

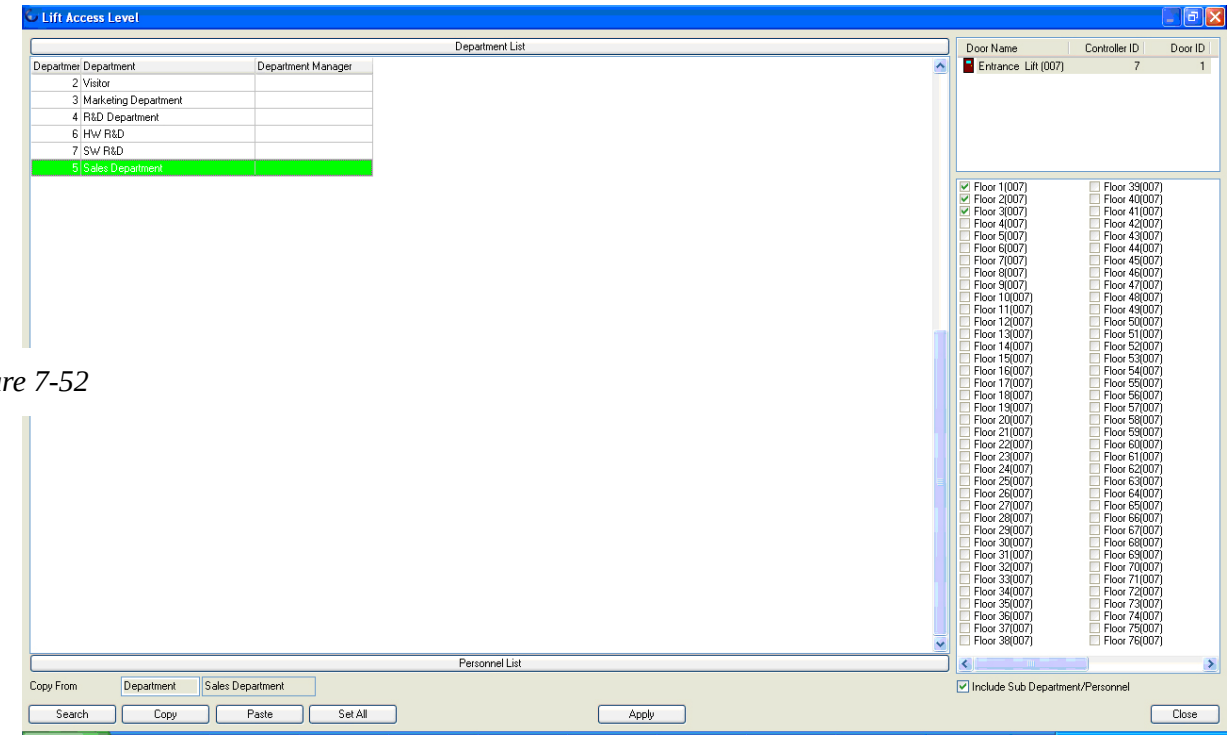


Figure 7-52

Tick the Floors you would like the Personnel or Department to have access to .You may use the powerful functions of Search/Copy/Paste/Set All/Set Department/Apply (include Sub Department/Personnel) as described in Section 7.2.3. You will still need to set the Time Table the Personnel can access the granted floors in the Access Level tab of Personnel Information as explained in Section 7.2.2.1 (Figure 7-53).

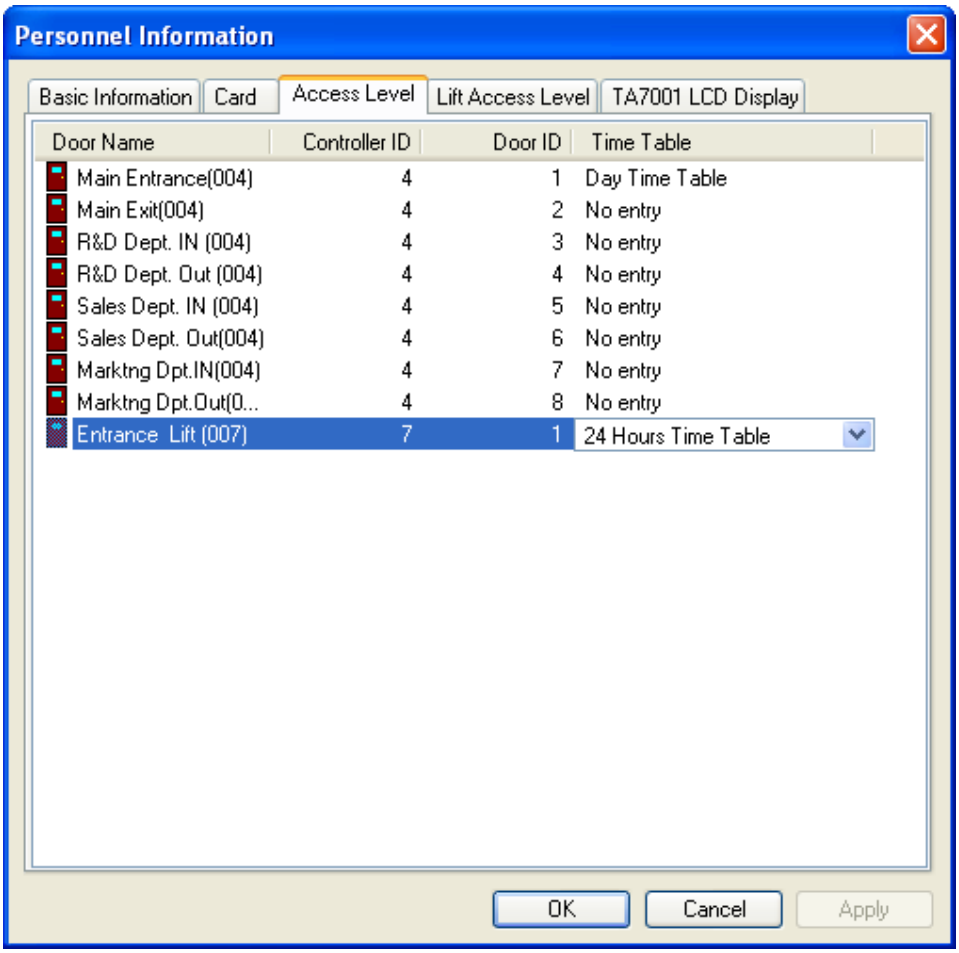

Personnel Information
Basic Information
Card
Access Level
Lift Access Level
TA7001 LCD Display
Door Name
Controller ID
Door ID
Time Table
Main Entrance(004) 4 1 Day Time Table
Main Exit(004) 4 2 No entry
R&D Dept. IN (004) 4 3 No entry
R&D Dept. Out (004) 4 4 No entry
Sales Dept. IN (004) 4 5 No entry
Sales Dept. Out(004) 4 6 No entry
Marktng Dpt.IN(004) 4 7 No entry
Marktng Dpt.Out(0... 4 8 No entry
Entrance Lift (007) 7 1 24 Hours Time Table
OK
Cancel
Apply

Figure 7-53

7.2.7 TA7001 LCD Display

For future use.

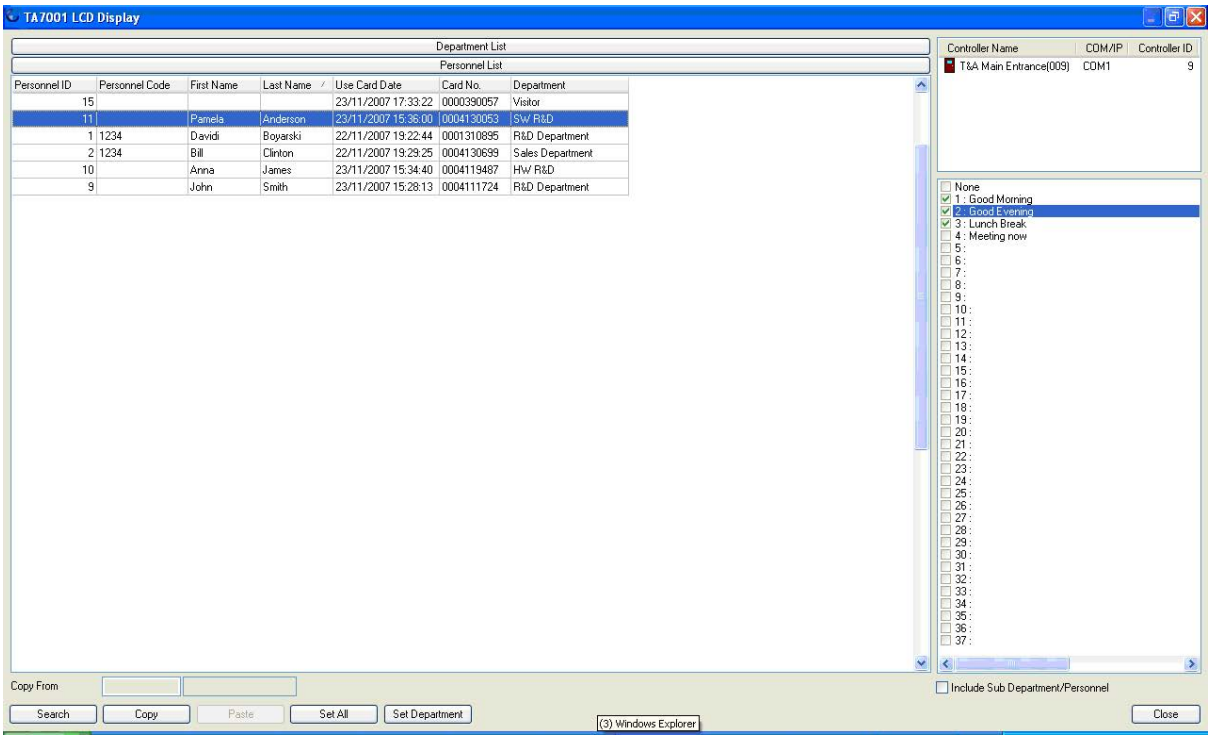

TA7001 LCD Display
Department List
Personnel List
Personnel ID
Personnel Code
First Name
Last Name
Use Card Date
Card No.
Department
15 23/11/2007 17:33:22 0000390057 Visitor
11 Pamela Anderson 23/11/2007 15:36:00 0004130053 SW R&D
1 1234 Davidi Boyarski 22/11/2007 19:22:44 0001310895 R&D Department
2 1234 Bill Clinton 22/11/2007 19:29:25 0004130699 Sales Department
10 Anna James 23/11/2007 15:34:40 0004119487 HW R&D
9 John Smith 23/11/2007 15:28:13 0004111724 R&D Department
Controller Name
COM/IP
Controller ID
T&A Main Entrance(009) COM1 9
None
1 : Good Morning
2 : Good Evening
3 : Lunch Break
4 : Meeting now
Copy From
Include Sub Department/Personnel
Search
Copy
Paste
Set All
Set Department
Close
(3) Windows Explorer

Figure 7-54

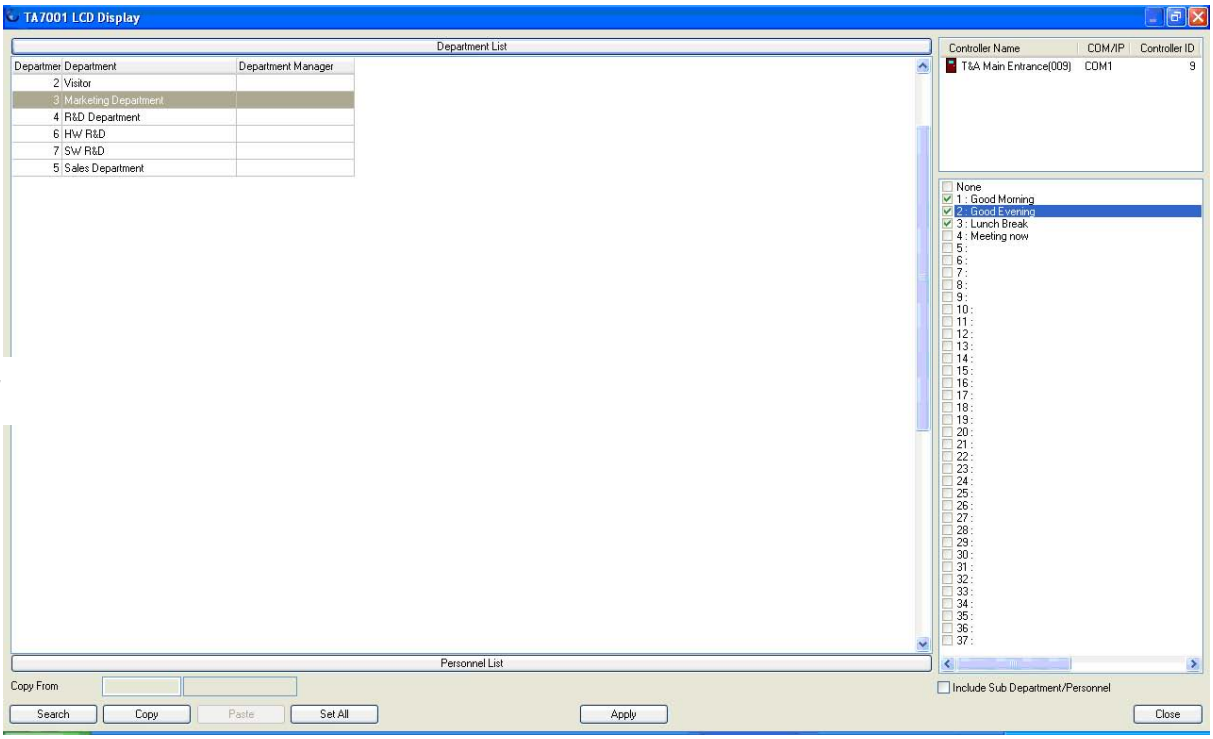
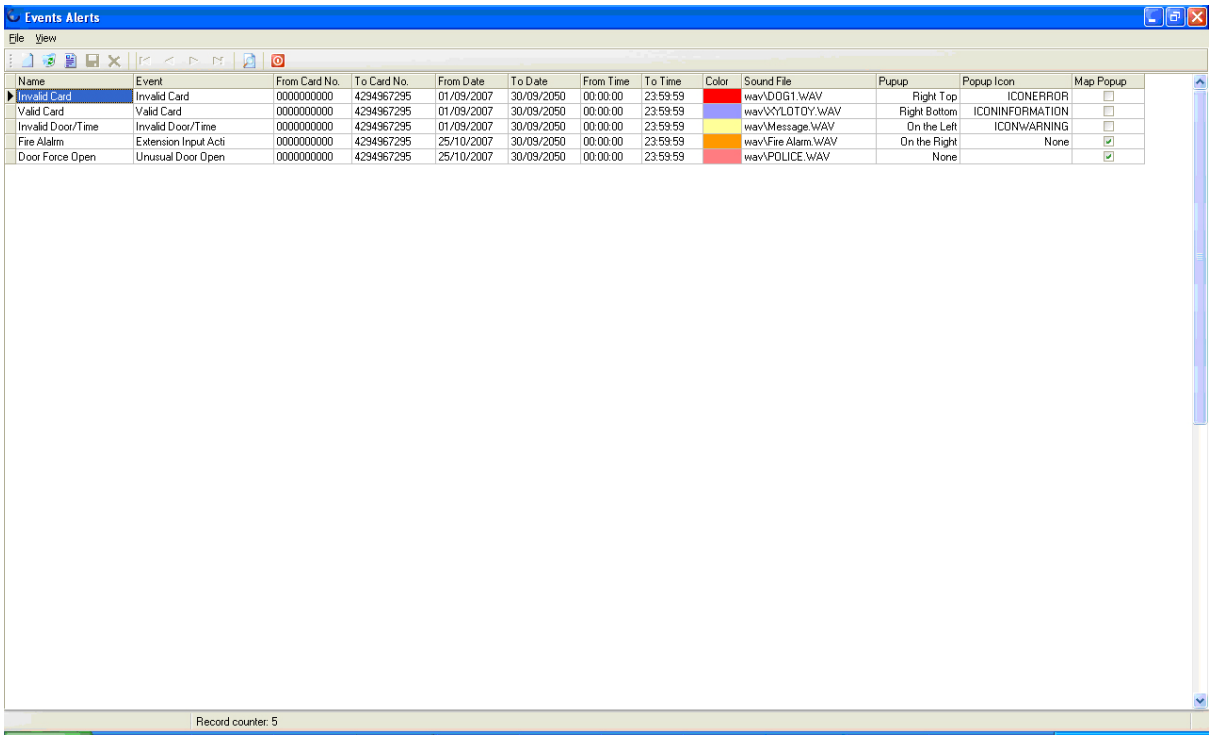


Figure 7-55

7.3 Events Alerts

Sphinx 4 provides powerful and flexible events handling and notifying. For each type of event, the user can assign a name, validation (by card number range, date and time), back ground color, to color the event in the "Events Monitor", Sound File, Pop Up window and Map (Figure 7-56).


Events Alerts
File View
Name Event From Card No. To Card No. From Date To Date From Time To Time Color Sound File Pupup Popup Icon Map Popup
Invalid Card Invalid Card 0000000000 4294967295 01/09/2007 30/09/2050 00:00:00 23:59:59 wav\DOG1.WAV Right Top ICONERROR
Valid Card Valid Card 0000000000 4294967295 01/09/2007 30/09/2050 00:00:00 23:59:59 wav\XYLOTOY.WAV Right Bottom ICONINFORMATION
Invalid Door/Time Invalid Door/Time 0000000000 4294967295 01/09/2007 30/09/2050 00:00:00 23:59:59 wav\Message.WAV On the Left ICONWARNING
Fire Alalrm Extension Input Acti 0000000000 4294967295 25/10/2007 30/09/2050 00:00:00 23:59:59 wav\Fire Alarm.WAV On the Right None
Door Force Open Unusual Door Open 0000000000 4294967295 25/10/2007 30/09/2050 00:00:00 23:59:59 wav\POLICE.WAV None
Record counter: 5

Name – A name the user can give to the event handling.

Event – The Event as defined in Sphinx 4 system.

From Card No. – The Alert handling will apply for card numbers equal or higher than this.00000000 is the default and most commonly used.

To Card No. – The Alert handling will apply for card numbers equal or lower than this. 4294967295 is the default and most commonly used.

From Date – Starting date to apply the event handling.

To Date – Ending date to apply the event handling.

From Time - Starting time to apply the event handling.

To Time - Ending time to apply the event handling.

Color – Selecting a background color for the event to be shown in the "Events Monitor"(Section 9.1).

Sound File – Wave file to be played when event happens.

Popup – Enabling and positioning an "MSN Messenger" style Popup window which will summarize the event info.

Popup Icon – the type of icon (if any) to be presented inside the Popup window. Type of Icons

are: Confirmation/Warning/Error/None.
Map Pop – If checked the events' corresponding map will pop up.

Buttons and commands:
New Alert – Creating a new alert handler.
Deleting a Record – Deleting an alert handler.
Edit Event Alert – Editing the handler.

7.4 Map

Sphinx 4 provides a comprehensive graphical monitoring and control. Map allows having a visual map of the different sites, building and floors. User can view all controller components (locks, sensors, exit buttons, inputs, and outputs). All maps and controller components are dynamic. Components will change their graphical icon if their physical status has changed (i.e. lock was opened).
Maps can be easily designed, while placing controllers' components on and even changing icons or adding icons to components. As mentioned in section 7.3 Maps can Popup. Sphinx will automatically switch from Map X to Map Y if an alerted event took place on Maps' Y controller component.

7.4.1 Multi Site Setup

Multi Site Setup is setting the sites structure. We define the sites and their names, the buildings in each site, the floors in each building and their maps (Figure 7-57).

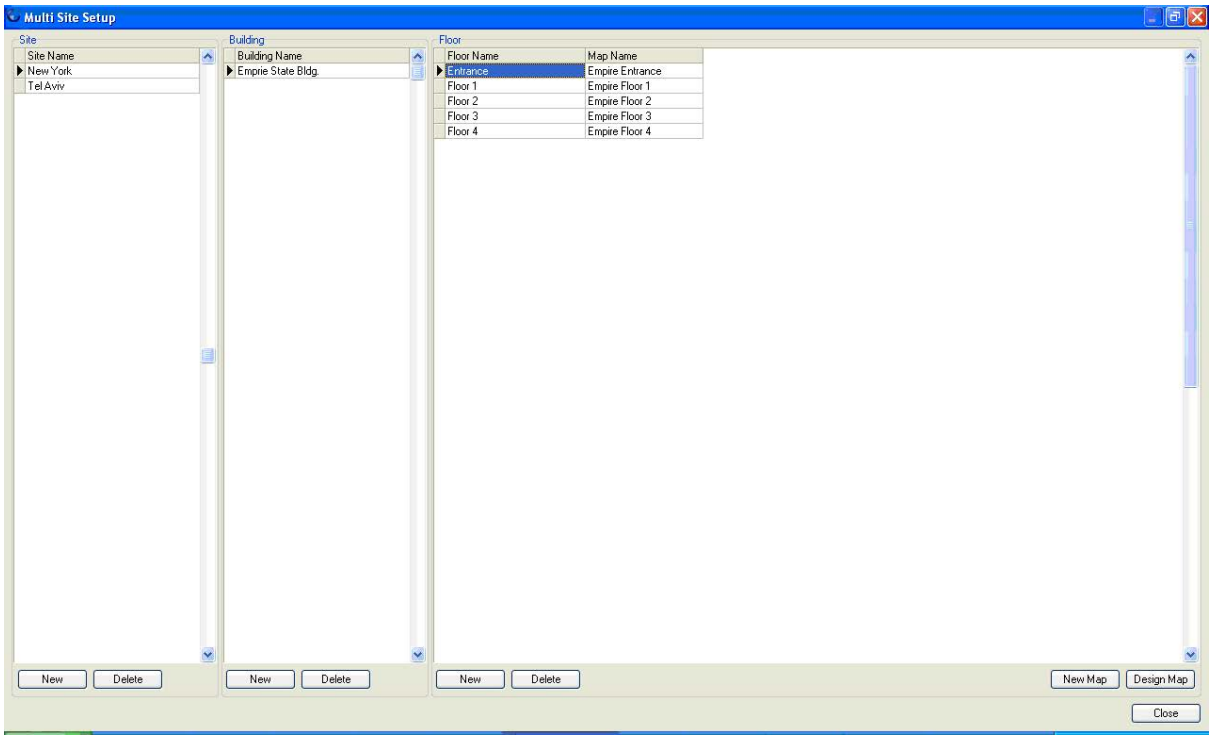


Figure 7-57

7.4.2 New Map

Creating a new map (Figure 7-58).

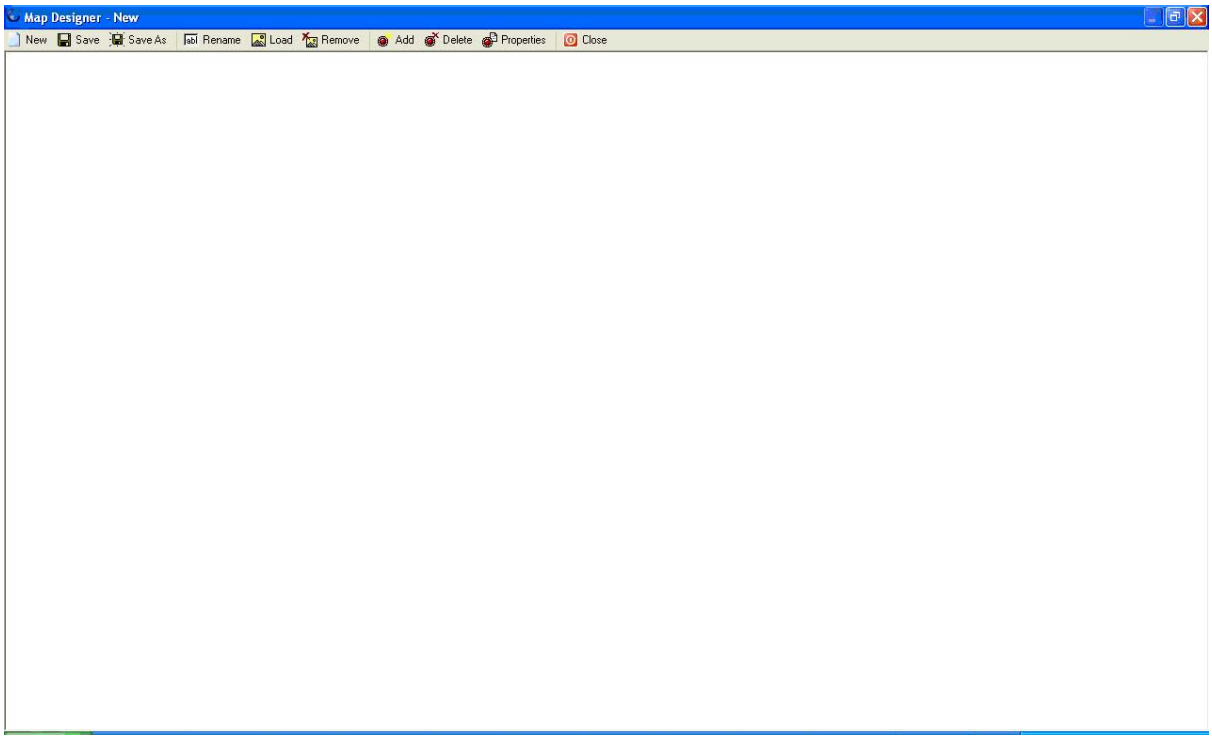


Figure 7-58

New – Blank Canvas for creating a new map.

Save – Saving the created map.

Save As – Saving the created map under a different name and "Pic ID" (Picture ID). "Pic ID" is the unique identifier for maps. User can re use the map name but not the "Pic ID" of the map.

Rename – Changing the map name.

Load – Loading a JPG picture to be the map usually a floor or blue print drawing (Figure 7-59).

Remove – removing the map JPG file.

Add – Adding controller components on the map. You can select multiple components by holding "Shift" Key and clicking on "Down Arrow" or by holding "Ctrl" key and selecting multiple components using the mouse (Figure 7-60). After adding the components they will show up on the left upper corner of the map (overlapping each other). You may drag each one for the desired position and click "Save" to keep them in the new position.

Delete – Select a component and click "Delete" to delete it from the map. Click "Save".

Properties – Viewing and changing the component properties (Figure 7-61). Clicking "Load" allows changing icons or adding icons to the icons library (see Section 7.4.5).

Close – Close the Map Designer window.

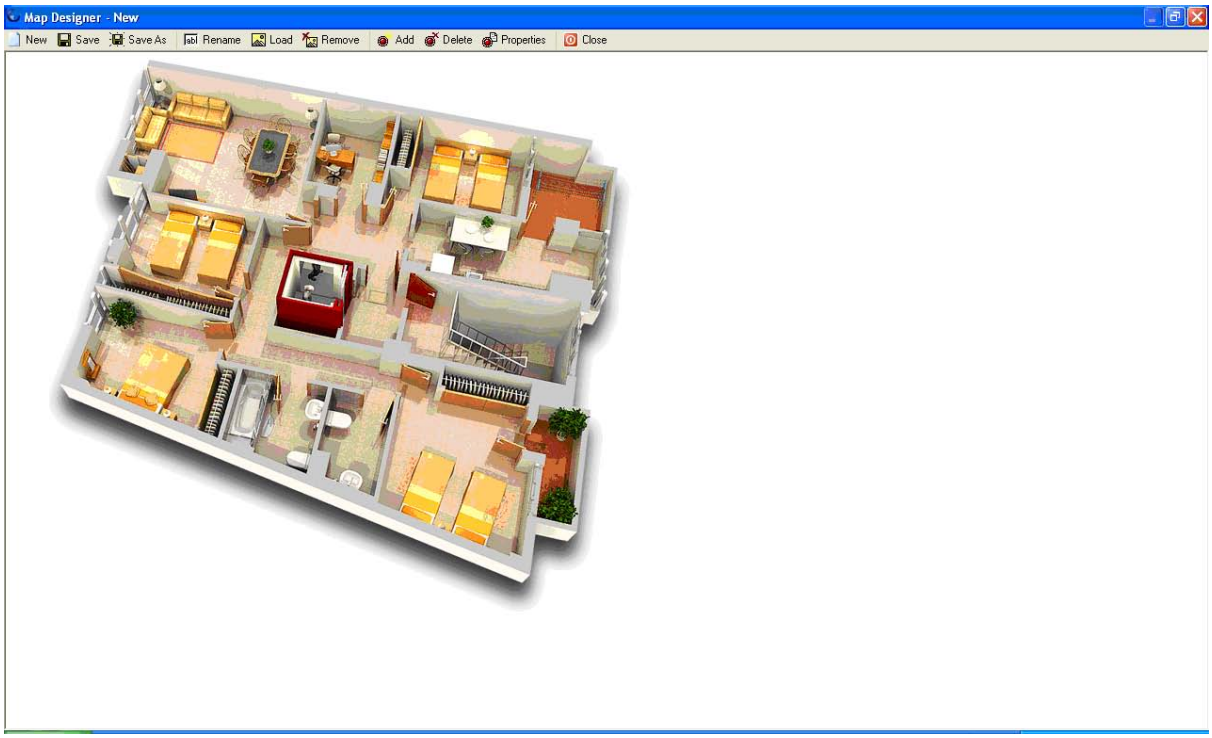

Map Designer - New
New
Save
Save As
Rename
Load
Remove
Add
Delete
Properties
Close

Figure 7-59

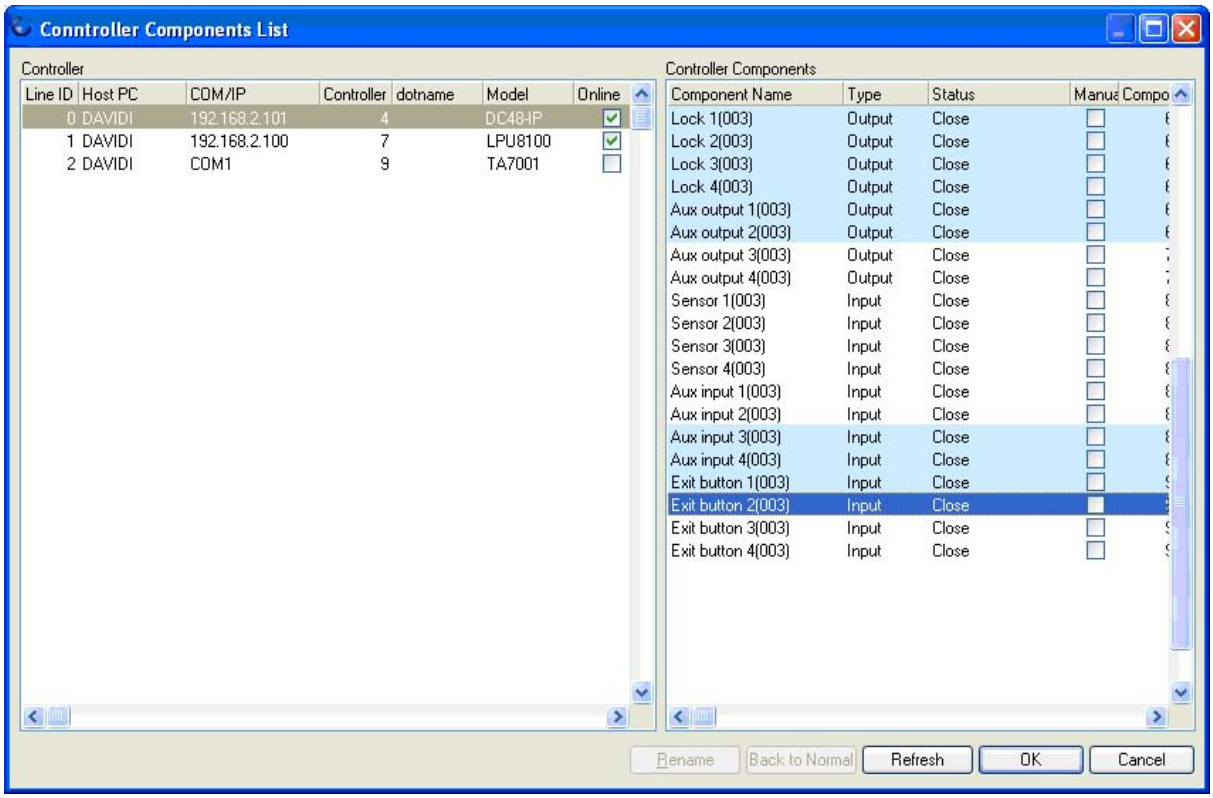

Conntroller Components List
Controller
Line ID
Host PC
COM/IP
Controller
dotname
Model
Online
0 DAVIDI 192.168.2.101 4 DC48-IP
1 DAVIDI 192.168.2.100 7 LPU8100
2 DAVIDI COM1 9 TA7001
Controller Components
Component Name
Type
Status
Manua
Compo
Lock 1(003) Output Close
Lock 2(003) Output Close
Lock 3(003) Output Close
Lock 4(003) Output Close
Aux output 1(003) Output Close
Aux output 2(003) Output Close
Aux output 3(003) Output Close
Aux output 4(003) Output Close
Sensor 1(003) Input Close
Sensor 2(003) Input Close
Sensor 3(003) Input Close
Sensor 4(003) Input Close
Aux input 1(003) Input Close
Aux input 2(003) Input Close
Aux input 3(003) Input Close
Aux input 4(003) Input Close
Exit button 1(003) Input Close
Exit button 2(003) Input Close
Exit button 3(003) Input Close
Exit button 4(003) Input Close
Rename
Back to Normal
Refresh
OK
Cancel

Figure 7-60

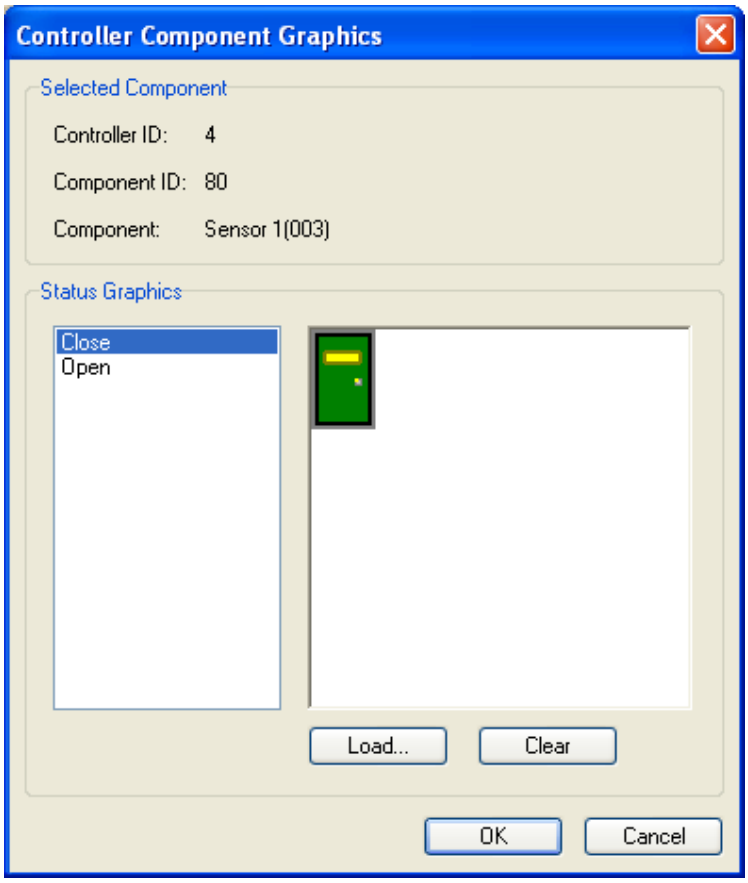


Figure 7-61

7.4.3 Design Map

Designing a new or existing Map. See Section 7.4.2.

7.4.4 Delete Map

Deleting a Map by selecting it from the list.

7.4.5 Icon Library

Sphinx 4 provides a default icons library which can be used for the different controller components. The library offers a selection of different icons for the same component including

different size (i.e. small lock icon, big lock icons etc.). This provides high flexibility for the user in respect to his map picture or blue print proportion (Figure 7-62).

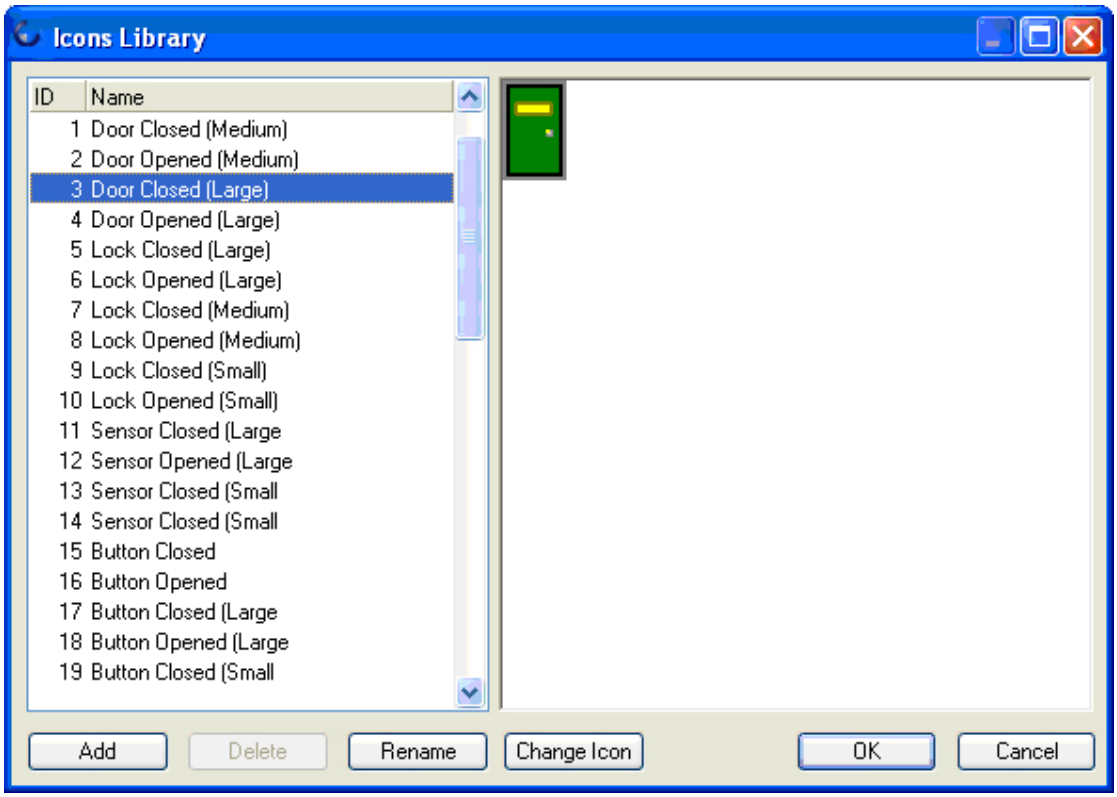


Figure 7-62

Add – Adding an Icon by selecting a JPG picture, entering an Icon ID and Icon name.
Delete – Deleting an Icon.
Rename – Chaining Icons' name.
Change Icon – Changing the Icon picture (JPG file).

7.5 Flow Control

The Flow Control allows the user to define a logical conditioning of :

If **(Condition)** Then

Action();

AND and OR operands can be applied to create more complex conditions.
This control the flow of the control and software operation.

We have 3 types of the Flow Control: By Inputs, By Events, By Inputs (Software) (Figure 7-63).

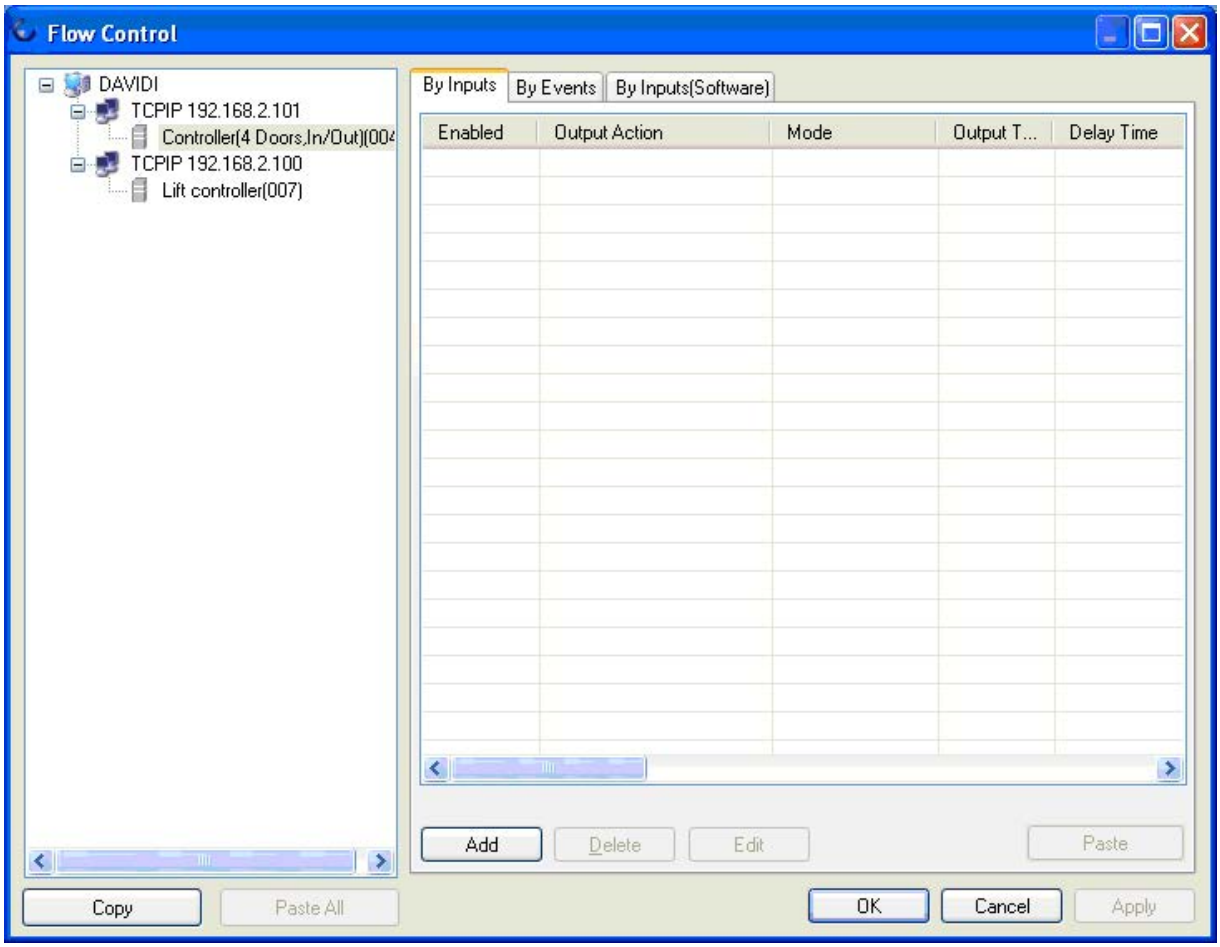


Figure 7-63

7.5.1 Flow Control By Inputs

By Inputs means the Flow Control is done according to the physical controller components (Locks, Exit Buttons, Door Sensors, Aux Inputs/Outputs etc.).

We can create a condition of:

If (Source1) AND (Source2) AND … (Source8) Then
Activate (Relay);

We do not have to use several "Sources" with "AND" (Figure 7-64).
Sphinx 4 Flow Control allows the user to use I-CON system not only for Access Control application but also for any type of automated control like Building Management.
Based on a Fire Alarm we can command all doors to be opened automatically.
Based on an external timer (sensor) we can turn off lights or air conditioning system in the building.

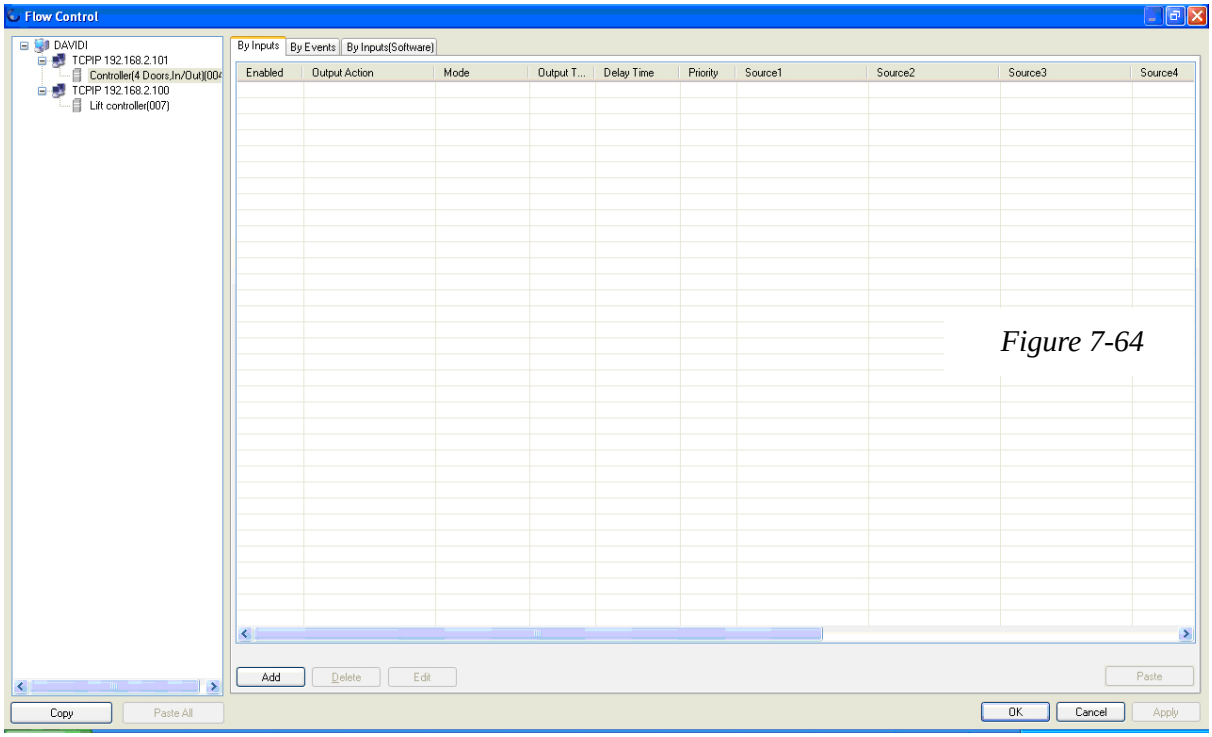


Figure 7-64

In Figure 7-65we can see the following condition:
IF (Aux Input1 = Open) AND (Aux Input 2 = Open) Then
Open (Aux Output1);

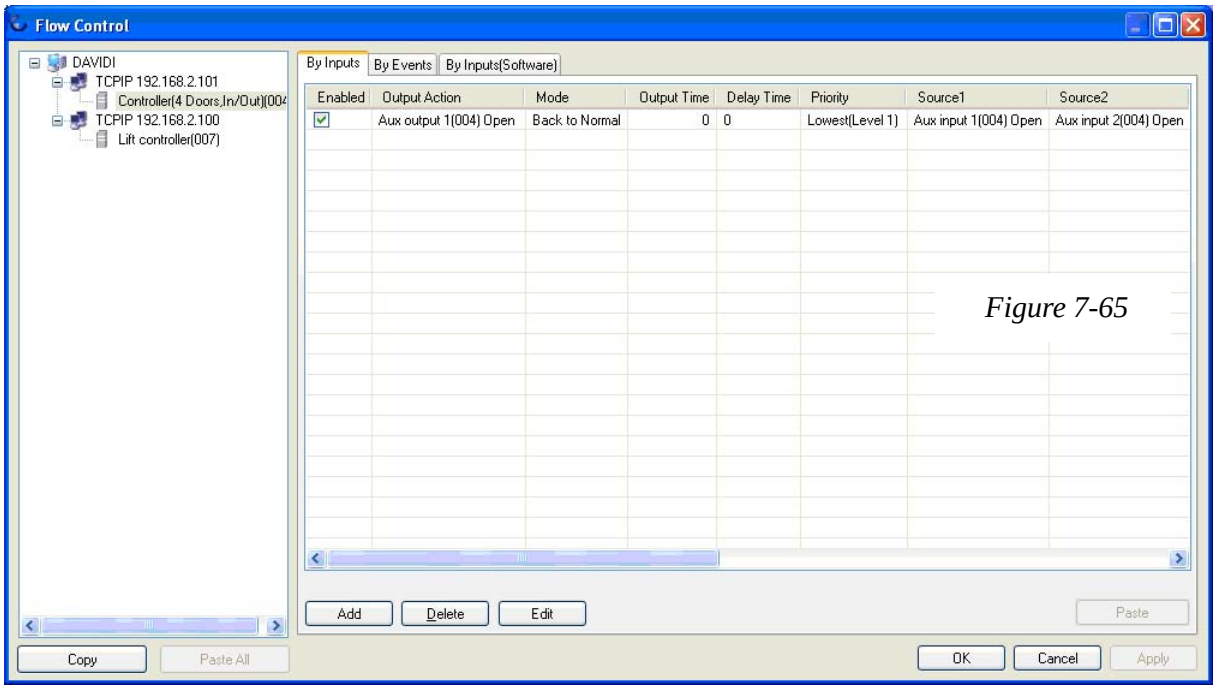


Figure 7-65

For creating the above Flow Control By Inputs click "Add". The window in Figure 7-66 will be opened.

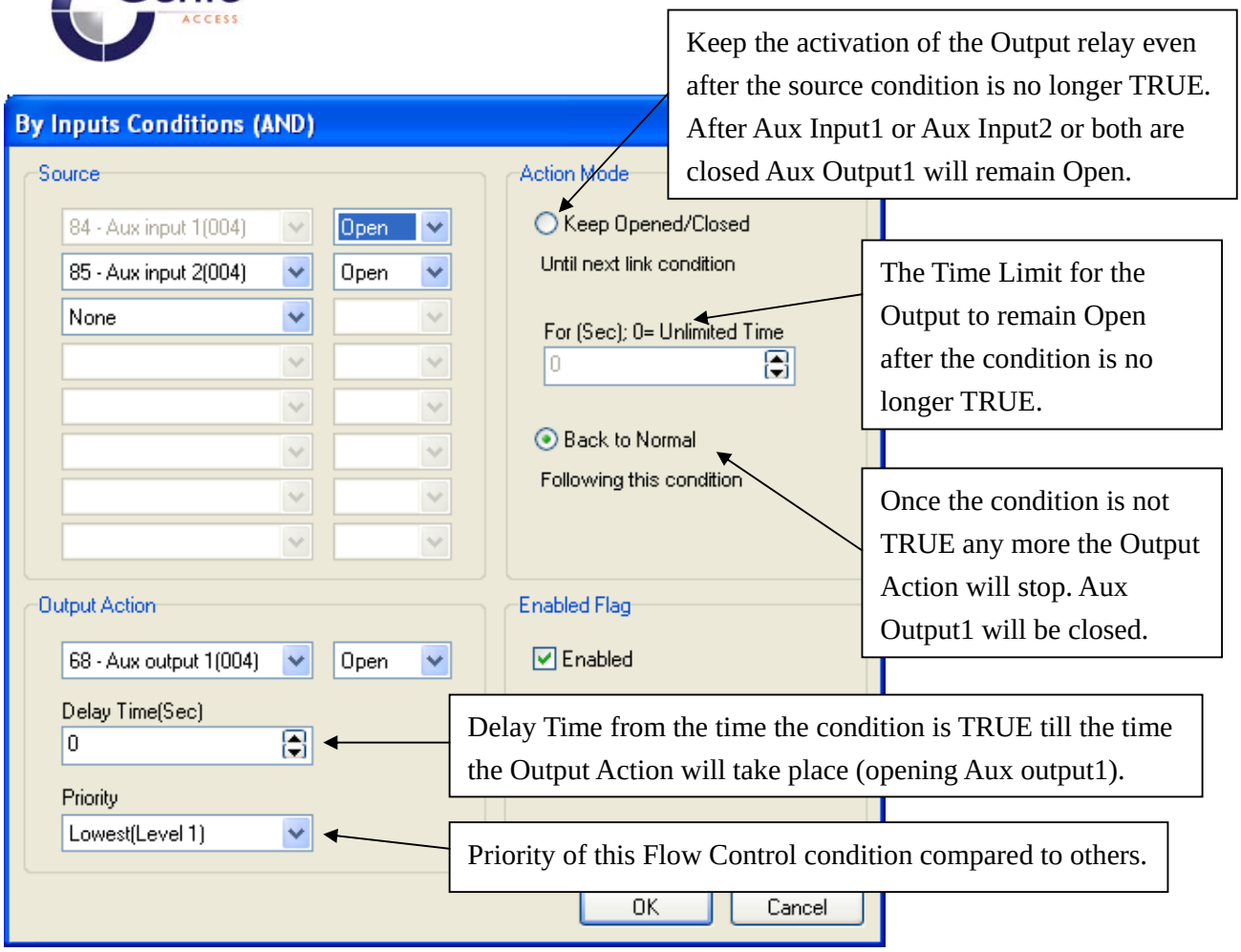

Keep the activation of the Output relay even after the source condition is no longer TRUE. After Aux Input1 or Aux Input2 or both are closed Aux Output1 will remain Open.
By Inputs Conditions (AND)
Source
84 - Aux input 1(004)
Open
85 - Aux input 2(004)
Open
None
Action Mode
Keep Opened/Closed
Until next link condition
For (Sec); 0= Unlimited Time
0
The Time Limit for the Output to remain Open after the condition is no longer TRUE.
Back to Normal
Following this condition
Once the condition is not TRUE any more the Output Action will stop. Aux Output1 will be closed.
Output Action
68 - Aux output 1(004)
Open
Enabled Flag
Enabled
Delay Time(Sec)
0
Delay Time from the time the condition is TRUE till the time the Output Action will take place (opening Aux output1).
Priority
Lowest(Level 1)
Priority of this Flow Control condition compared to others.
OK
Cancel

Figure7-66

Since we can create several Flow Control By Inputs conditions (Figure 7-64) we can practically create logical OR conditions between the different Inputs to apply on the same Output.

7.5.2 Flow Control By Events

Similar to "By Inputs" Flow Control, "By Events" allows the creation of conditions based on the software events. Sphinx 4 is generating events in respect to each one of the doors. In this case we will be able to activate different outputs based on the different events. The events are those described in Sections 7.3 – "Events Alerts" (e.g. invalid card, invalid time/door, Door Unusual Open etc.).

We can create a condition where an "Invalid Card" flashing event will activate one of the outputs

to turn on a siren, lights, or any other application (Figure 7-67).

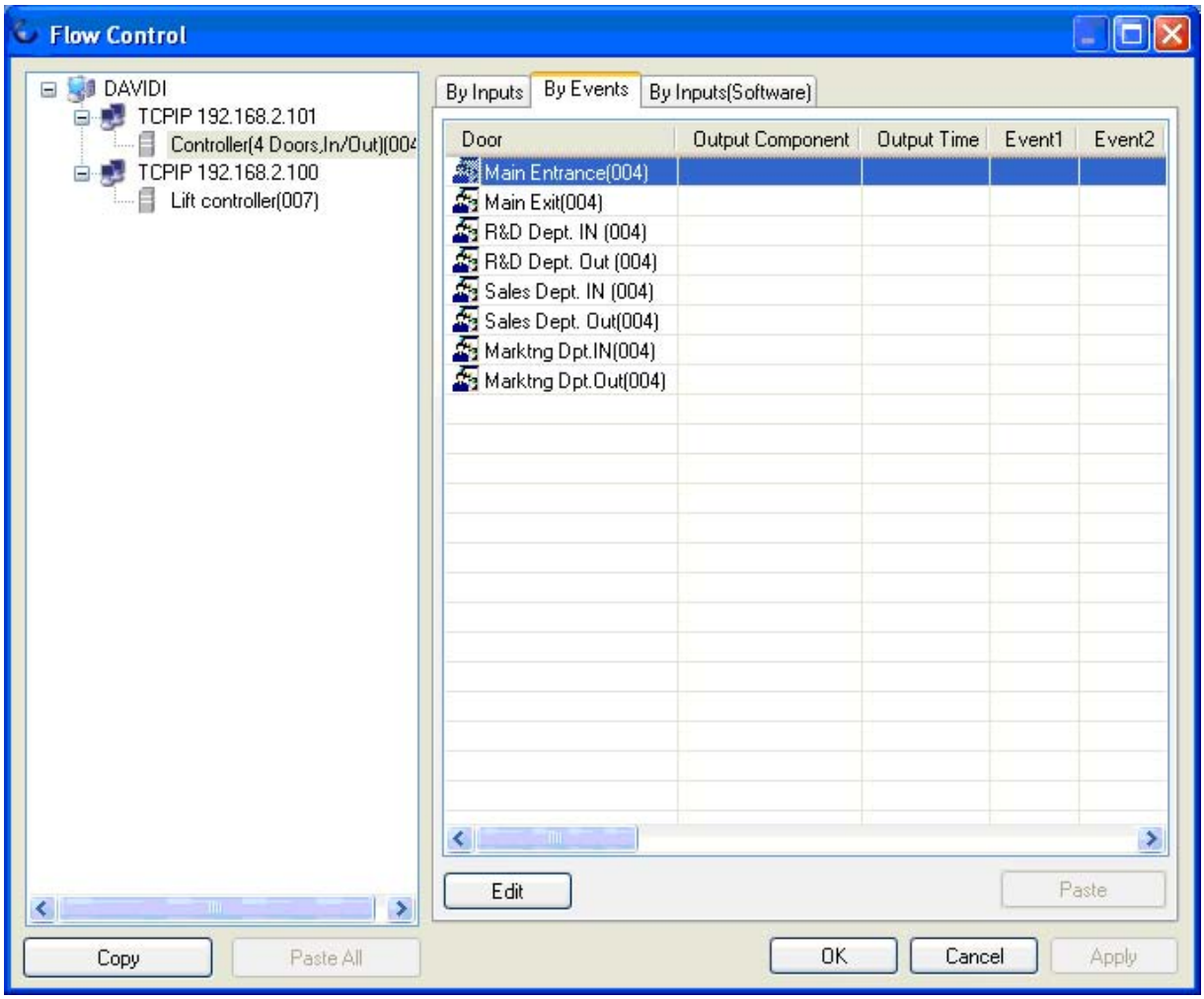


Figure 7-67

The condition structure will be:

IF (Event1) OR (Event2) OR… (Event11) Then

Activate (Relay) for T seconds;

Event1 to Event11 are always in respect to the same door. In Flow Control By Events there is no AND since at a given moment only 1 event can take place in a given door. Sphinx 4 can handle up to 11 different events conditions per door.

In Figure 7-68 we can see the condition

IF (Invalid Card) OR (Door Unusual Open) Then

Open (Aux Output1) for 10 seconds;

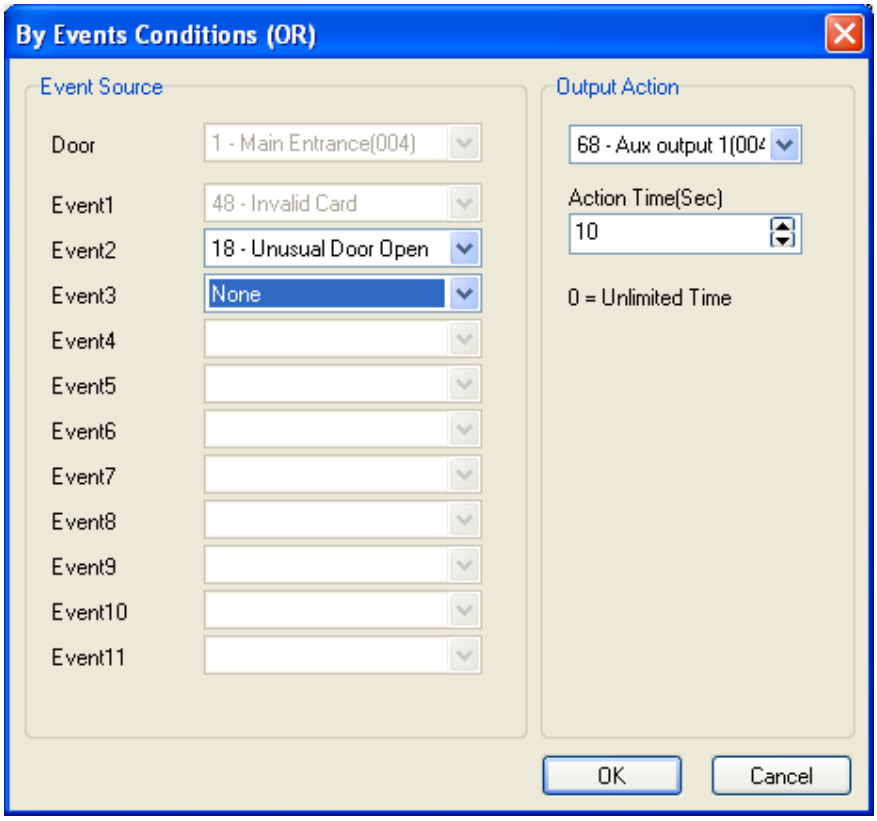


Figure 7-68

7.5.3 Flow Control By Inputs (Software)

This allows us to create a Global Flow Control. We can create a condition which is based on a source in one controller and the action will take place in another controller. Sphinx 4 will have to be online. If exiting the Sphinx 4 the Flow Control will be disabled (Figure 7-69).

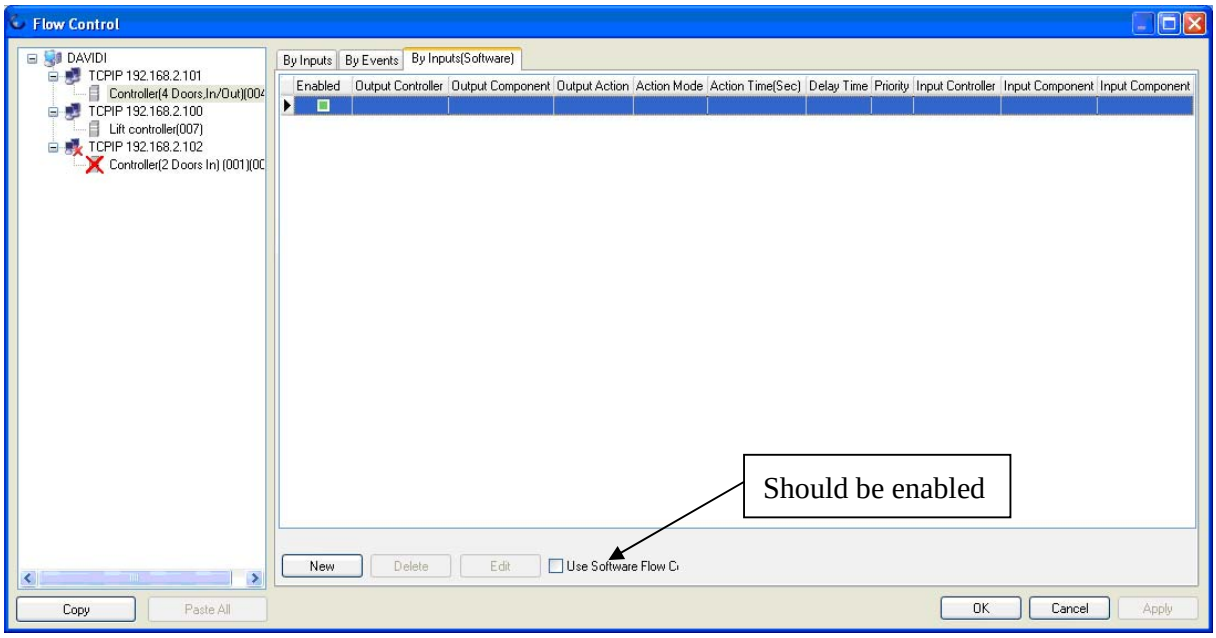


Figure 7-69

New – Creating a new condition.

In Figure 7-70 we can see the condition:

IF (Controller2.Aux input 1 = Open more than 5 seconds) Then

Open (Controller4.Aux output4) for 10 seconds;

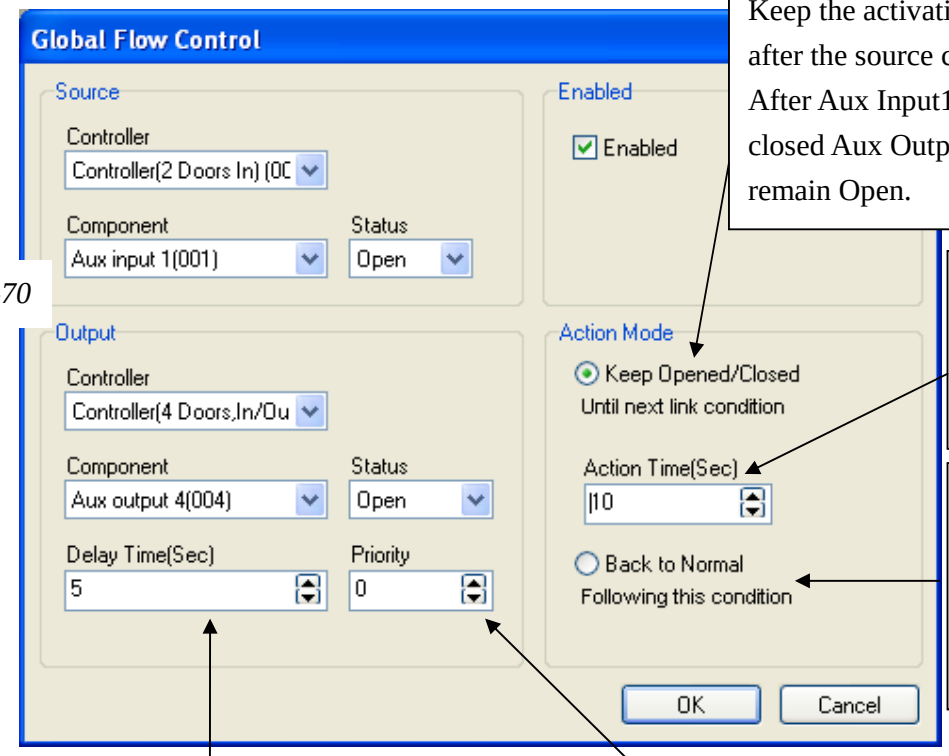


Figure 7-70

Keep the activation of the Output relay even after the source condition is no longer TRUE. After Aux Input1 of Controller2 will be closed Aux Output4 of Controller 4 will remain Open.

The Time Limit for the Output to remain Open after the condition is no longer TRUE.

If selected, once the condition is not TRUE any more the Output Action will stop. Aux output1 will be closed.

Delay Time from the time the condition is TRUE till the time the Output Action will take place (opening Aux output4).

Priority of this Flow Control condition compared to others.

Delete – Deleting the selected condition.
Edit – Editing the selected condition.

7.6 Wiegand Format

The method by which I-CON controllers can be configured to read multiple formats simultaneously is set up from the Wiegand Format screen (Figure 7-71). The system comes as default with four of the most common formats pre defined. These are 26 bit, 34 bit, 36 bit and 37 bit. Any format between 24 and 72 bit can be configured from this screen. If the system is required to read a card with a number of bits outside the four listed above, then these formats need to be configured before a card will be able to be read by the system.

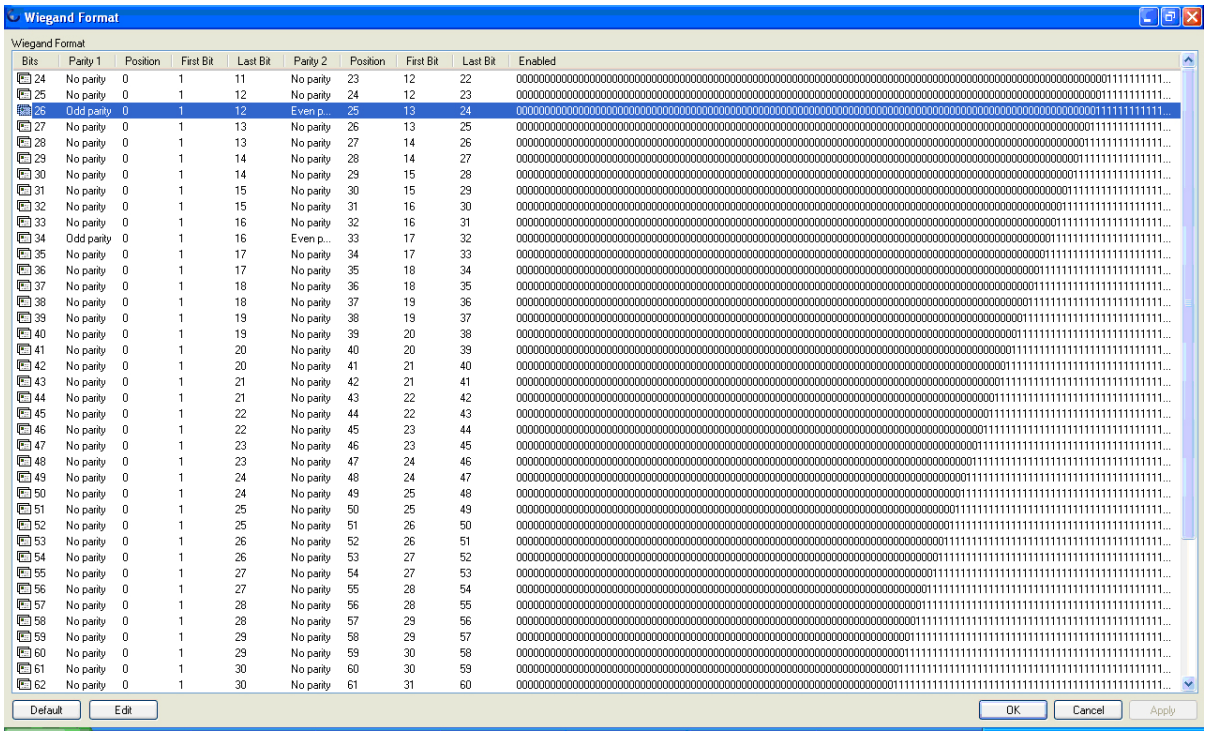


Figure 7-71

To edit a format, highlight the format and click on the "Edit" button. The Wiegand Format setup screen will appear (Figure 7-72). The "Use Wiegand XX Bits Format" box must be ticked if you wish the system to recognize this format.

Setting Rules:

- For Wiegand format setting, user should know which card is in use, and which format should be enabled and disable the others.
- User better configure the correct Wiegand formats, otherwise user might get a wrong card number.
- Different readers have different Wiegand outputs, user should verify with the reader supplier regarding the output.
- If user does not know the structure of the Wiegand format, user many enable the default format, for receiving the card number. However, in some cases a wrong card number will be received, since most of default settings have no Parity.

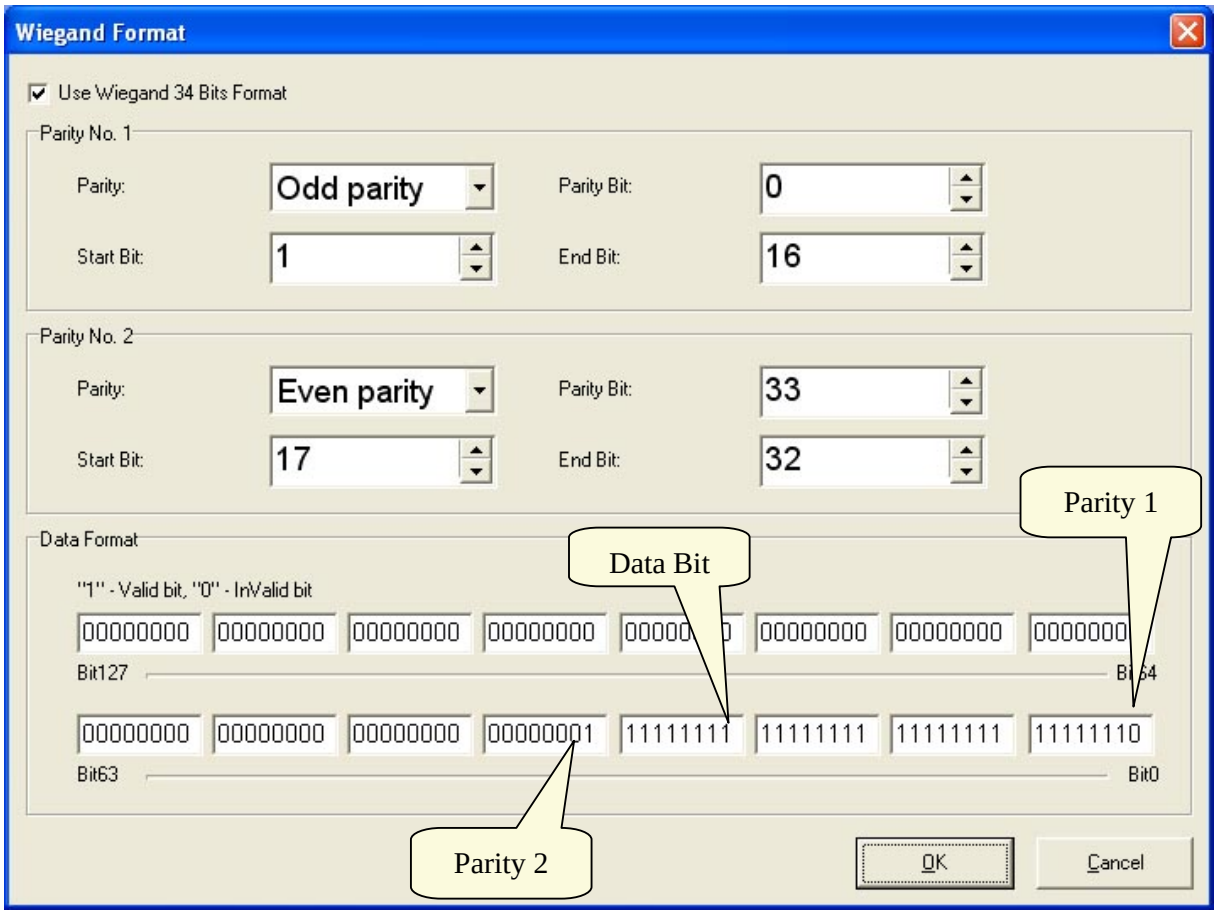


Figure 7-72

The example is a for 34 Bits format. Initially leave the two "Parity" boxes blank and proceed to the "Data Format" panel at the bottom of the screen. At the Data Format panel, enter the valid bits you want read as a "1" and any bits that you do not want to be read enter as a "0". If you only know the number of bits on a card but do not know where the parity bits are located then as a temporary measure enable all the card bits, i.e. for 34 bit, place a "1" under bits 0 to 33. At this stage close the screen and flash a card conforming to the format that has been entered. If the card reads and creates a card event in the "Events Monitor" then the system is recognizing the card format. Note at this stage, this is not the card number, it is just the number generated by all of the bits that have a "1" allocated to them. Return to the Wiegand Format screen to continue. If nothing happens when a card is flashed and the system does not recognize the card format at this stage then the card is not the same format that has been edited.

Now that the system is actually reading the card format. The next step is to set the Data Format box so that the system ignores any Parity bits for the purpose of calculating the card number. Most formats, but not all, have a Parity bit at the start of the card data and another at the end. While these bits appear on the card and form part of the bit structure and number of bits, they do not contribute to the card number. The Data Format box now needs to be edited and a "0" placed under any bits that are Parity bits. In the example, the 1st (bit 0) and the last (bit 33) are both Parity bits so a "0" is placed under bits 0 and 33. Click "OK" then flash the card at a valid reader. The number that appears now is the card number. In the example, the standard MIFARE 34 bit card has been used. The standard MIFARE card has 32 cardholder bits plus 2 x parity bits, one at each end, giving a total of 34 bits. Note that some readers, Indala for example, add a one byte checksum (8 bits) onto the MIFARE card number and send the data out as 40 bits.

The "Next" step is to enter the Parity data into the Parity 1 and Parity 2 screens. Although the system will work without this information, parity bits protect the data being received by the system and ensure that only valid data is received. In the 34 bit example, the parity bits are bit 0 for parity bit 1 and bit 33 for parity bit 2. Enter a "0" for Parity No 1 and enter a "33" for Parity No 2. If there are more than 2 parity bits then ignore them.

Parity can be either None, Odd or Even and this must be known. Parity Bits check that the data is not corrupted and will normally be calculated over a specific number of bits. In the 34 bit example, Parity No 1 (Bit 0) is Odd Parity calculated over bits 1-16. Parity No 2 (Bit 33) is Even Parity calculated over bits 17-32. The card manufacturer will normally supply the total number of bits, the location of parity, whether parity is None, Odd or Even and the bits over which the parity is calculated.

Parity bit is very important. If user sets both parity bits to none, user might get a wrong card number. Please ask your reader supplier to provide you with the correct structure of the Wiegand output.

Different readers have different parities. Most of HID readers are the same; the output of the HID reader is depending on the card.

Note that there are many different methods for numbering the bits. The I-CON software and controllers count from the right hand side at bit 0. Some systems start counting at bit 1. No one system is more correct than another.

7.7 Special Date

7.7.1 Temporary Date Setup

Clicking on the Temporary Date sub-menu item will open the Temporary Date Setup screen (Figure 7-73). Two sets of Temporary Dates can be set up. The default date is the current date. Temporary dates will be cancelled after 7 days.

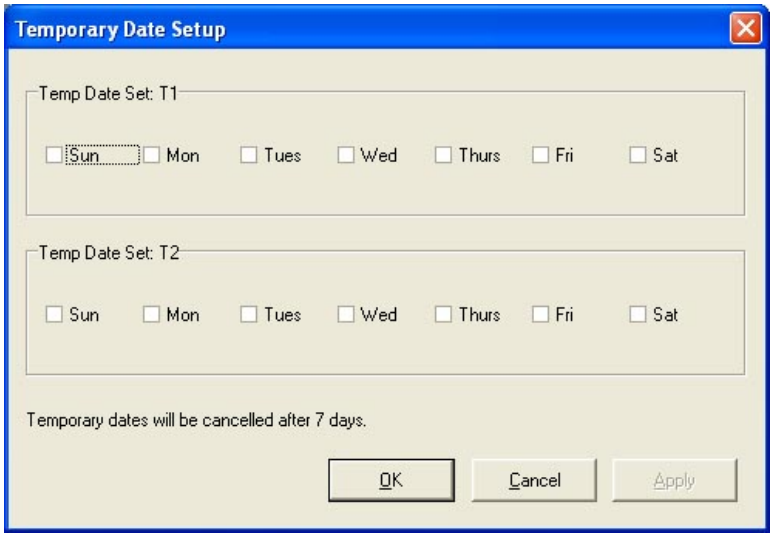


Figure 7-73

7.7.2 Holiday

Clicking on the Holiday Setup sub-menu item will open the Holiday Setup screen (Figure 7-74). To select a holiday, double click on the date and the color will turn Red to indicate that this date is now a holiday. To cancel a previously selected holiday, double click the red holiday and it will return to the default color. There are seven holiday groups available from the tabs at the bottom of the screen; each group can have 365 holidays.

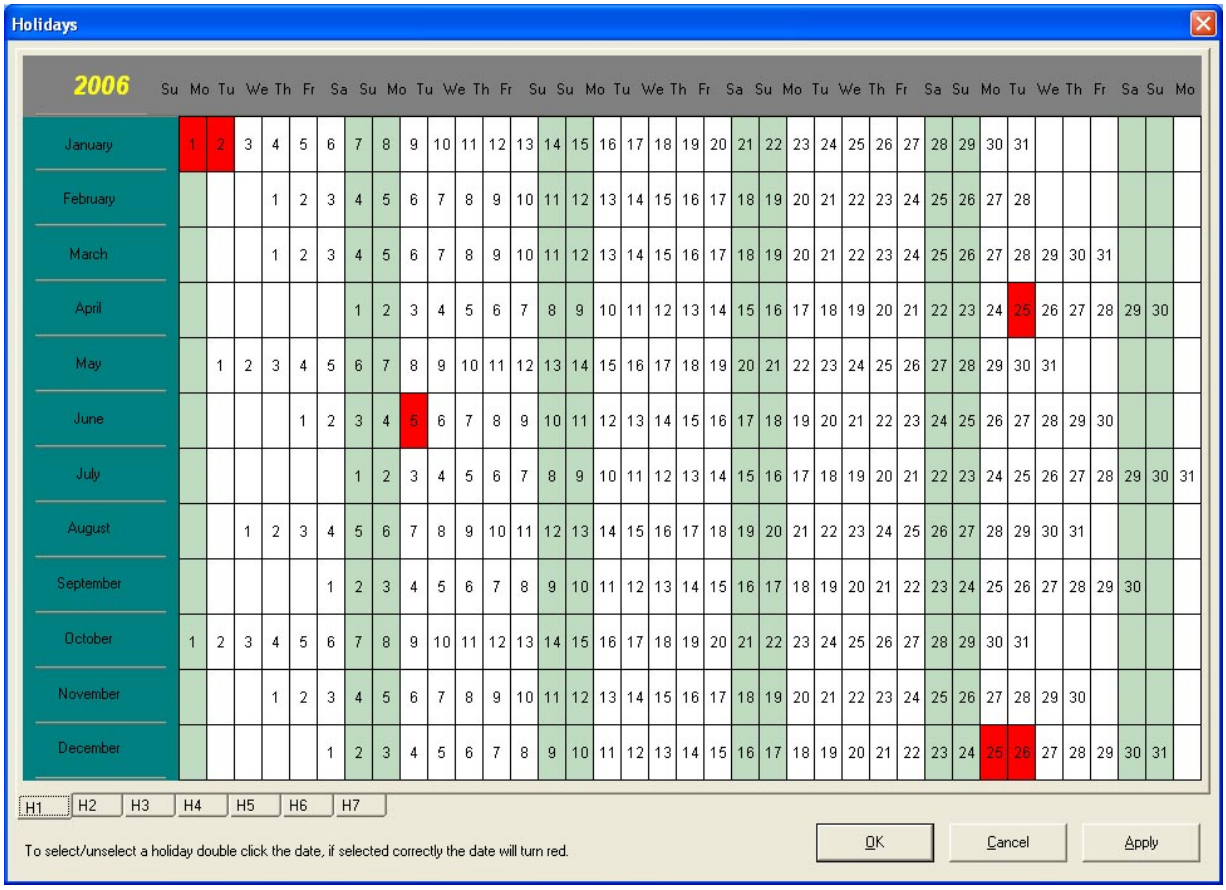


Figure 7-74

7.8 Communication Configuration

In order for the software to communicate with the controller or converter, the communication parameters need to be set up. This is done in the Communication Configuration screen (Figure 7-75).

7.8.1 Server

The Server name of IP is the PC which runs Sphinx 4 Server software. If you run only one PC with Sphinx 4 (Standalone PC) it will be considered also as the Server. For PCs which are running Sphinx 4 as Clients, the Server PC name or IP should be set in this field.

The Server Port is default and there is no need to change, unless other software running on the same PC is using this port. In that case, please change the port number to avoid conflicts.

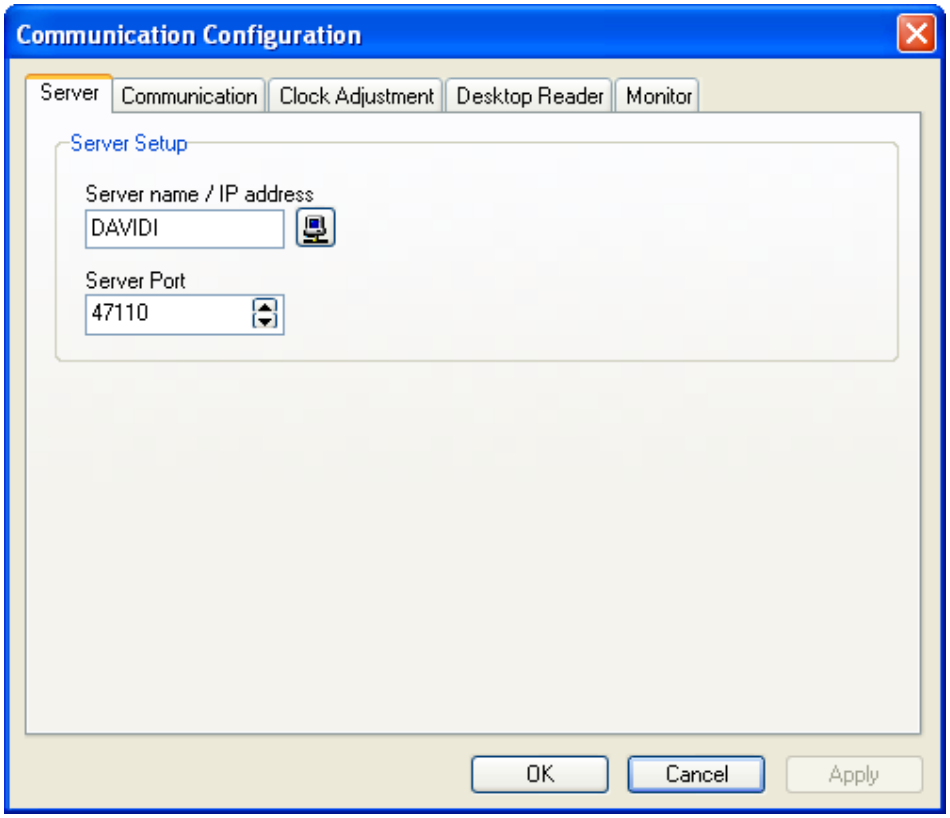


Figure 7-75

7.8.2 Communication

The Communication tab is shown in Figure 7-76.

Network Delay Time:

It is the maximum delay time allowed between the controller and the Host PC. In this example if the delay will be more than 50 milliseconds, Sphinx 4 will consider the controller Offline. In some networks the communication is not fast or stable enough. When we will try to Search the controller, set its IP or download configuration to it, Sphinx 4 will not be able to do so. In this case we should increase the value from 50 to 200. In case we are working over WAN the delay can be even up to 10,000 Milliseconds. After setting the Network Delay Time try searching the controller again.

Get transaction one by one:
If the check box is ticked, Sphinx 4 will receive the transactions (events) from each controller one at a time. It is not recommended not to tick the check box, as transactions from controller to Sphinx might be lost.

Write communication log: If ticked all the communication events will logged in "Communication.txt." log file. The file is in Sphinx 4 folder.

Broadcast public information:
If ticked the public information (All the information which is common to all controllers e.g. Cards information, Holidays, Summer/Winter time etc.) will be sent to all controllers at the same time. The public information will be sent only 1 time, if there is communication/network failure, some information might be lost and not reached to the controllers. The advantage is time saving in sending the information in case of large number of controllers. If the check box is not ticked, Sphinx 4 will send the public information to the controllers one by one. If communication failed, it will send again automatically up to 10 sending. It's is recommended not to tick the check box.

Area will be changed by valid event (without sensor, PC should be on line):
If the user would like to use the Anti Pass Back (APB) function while there are no door sensors. The APB function by default is changing Personnel area based on "Valid Card" event + Door Sensor Opened. This means the door was pushed and opened (most chances the Personnel entered the other area). If the user tick this option the area will change based on "Valid Card" event only. **This increase the chances to cause the APB feature to malfunction.** For APB Sphinx 4 must be online.

Host IP Address:

The IP address of the PC which is connected to the TCP/IP controllers. Clicking will give the IP address.

Listening Port:
The PC port is used for the TCP/IP communication. The default is 8000.

After setting the communication parameters, click on "OK" to apply the new settings. (Figure 7-76)

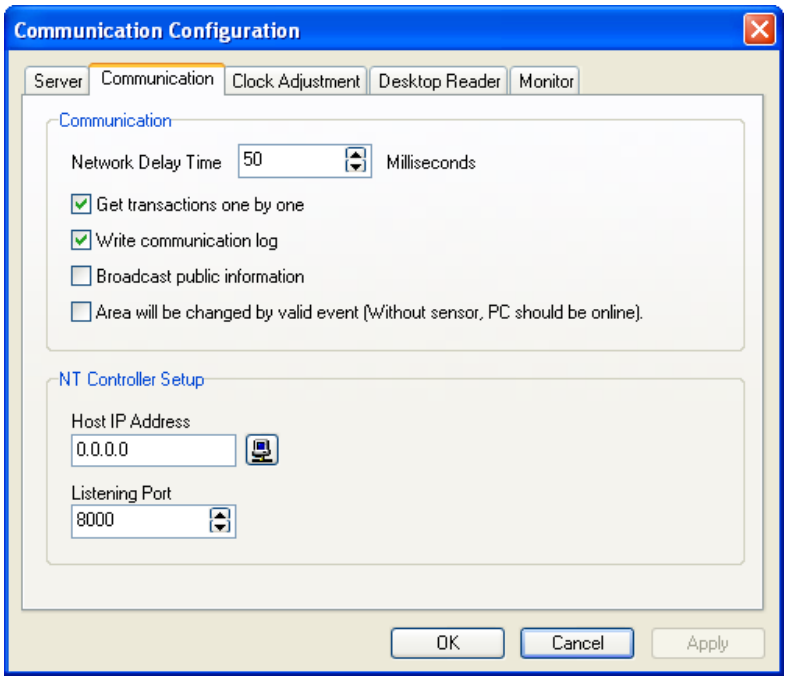


Figure 7-76

Network Delay Time:

User needs to adjust the value according the quality of the LAN in use.

- If controllers are connected by unstable LAN, Delay Time should be more than 50 Milliseconds, e.g. "200" Milliseconds.
- If controllers are connected through Wireless LAN, Delay Time should be more than 50 Milliseconds, e.g. "200" Milliseconds.
- If controllers are connected over WAN, Delay Time should be more than 50 Milliseconds, e.g. "1,000" Milliseconds.

Get transactions one by one:

- Sphinx4 will upload transactions from the controllers' one bye one.
- Sphinx 4 will upload all transactions of controller number 1, and then it will collect all transactions from controller number 2, then number 3 and so on.
- Otherwise, Sphinx 4 will upload 256 transactions from controller number 1, then 256 transactions from controller number 2, then 256 transactions from controller number 3 and

so on.

Write Communication Log:

Sphinx4 will record all communication with controllers into a "Communication. log" file under Sphinx 4.0 folder.

- If user encounters some communication problems, then user can view the log.
- The log enables to analyze the status of communication with the controllers.

Broadcast public information:

Sphinx 4 will broadcast the information below to all the controllers which are connected to the Host PC. Otherwise, Sphinx 4 will download the information to each controller one by one.

- Card List
- Holidays
- Temporary date
- Summer/Winter Time
- Wiegand Formats
- Saved Event

Area will be changed by valid card event:

For the Anti Pass Back function in Sphinx 4 (APB), the Host PC should be online.

Normally the APB function expects a "Valid Card" + "Door Opened" events for changing the Personnel (card holder) area.

User should physically install a door sensor for every door to determine if the door is opened or closed.

If the user did not install it and the user would like to use the APB feature, then this check box should be ticked.

If Sphinx 4 receives a valid card event, then it will change the user area, even if it did not receive a "Door Open" event.

7.8.3 Clock Adjustment

At the Clock Adjustment tab, clicking the Clock Adjustment button allows the data and time to be set up (Figure 7-77). It will configure PC time to the controllers.

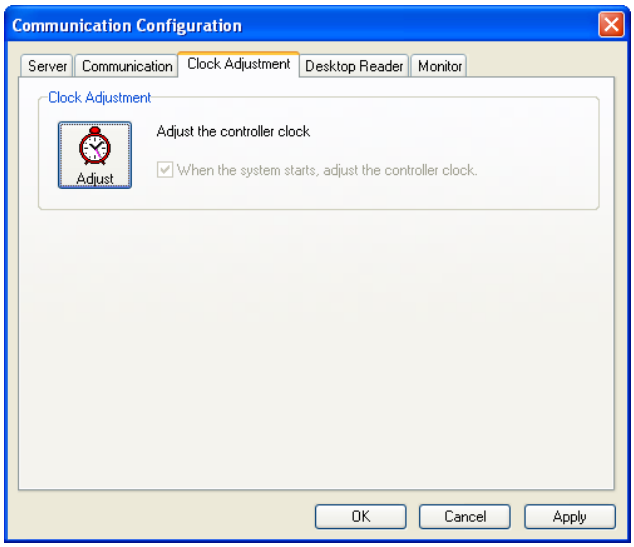


Figure 7-77

7.8.4 Desktop Reader & Card Number Format

In the Desktop Reader & Card Number Format tab there are 3 drop down menus for setting Desktop reader and card number format parameters. Different manufacturers may use different protocols for the RS-232 connection to the desktop reader. The desktop reader needs to be configured in order to have the same card number when adding a card with a desktop RS-232 reader or Wiegand system reader. This configuration is done via these two drop down menus (Figure 7-78)

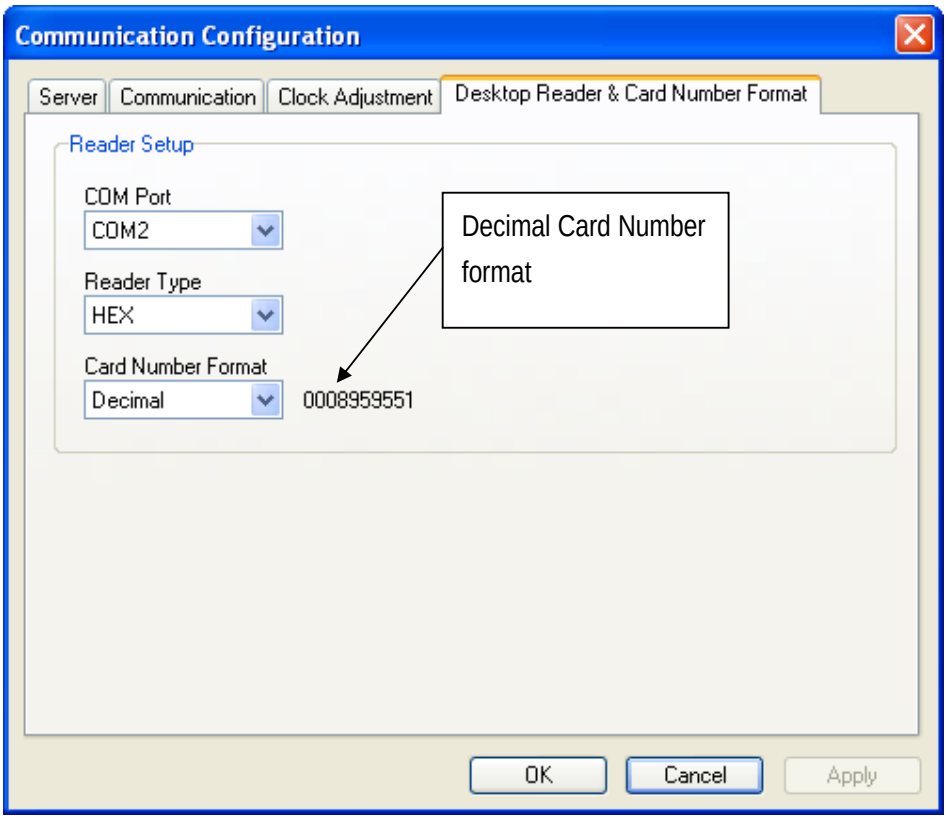


Figure 7-78

COM Port: The Serial Port the desktop reader is connected to. Do not use the same COM Port used by the controllers.

Reader Type: The output type of the desktop reader, the options includes HEX, ASCII, and WG232.

HEX: Hexadecimal for 5516E, 5516M, 5586/R readers.

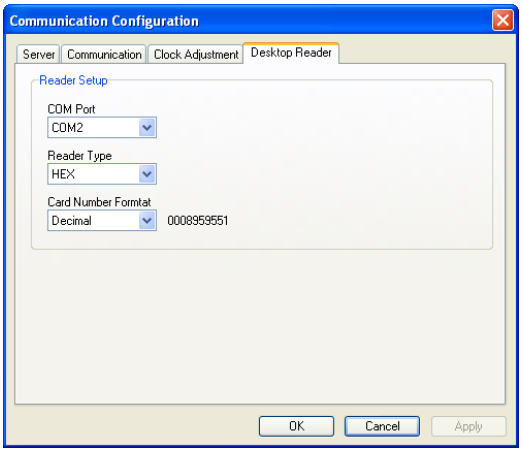
ASCII: 5516E/M has this output format. Please refer to the manual of 5516E/M.

WG232: If user is connecting a WG232 converter into COM Port, please select this option.

WG232 converter can convert a Wiegand reader format to a Desktop Reader format (RS232).

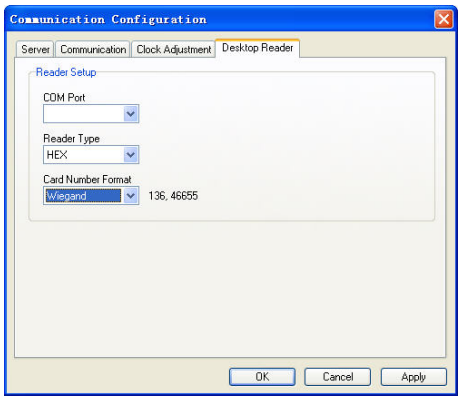
Card Number Format: The display format of the card number in Sphinx4. **This setting is both for system readers and Desktop reader** (not only Desktop reader).

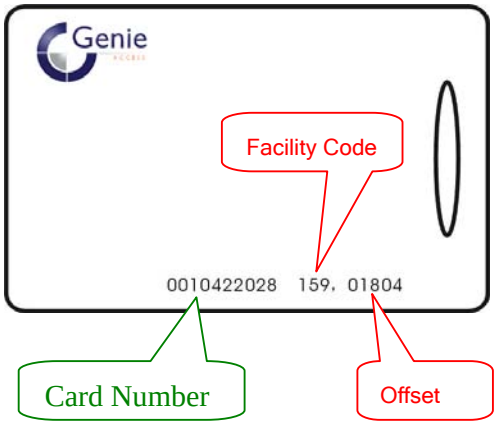
Decimal: Sphinx4 will display the card number as Decimal format, like 008959551.



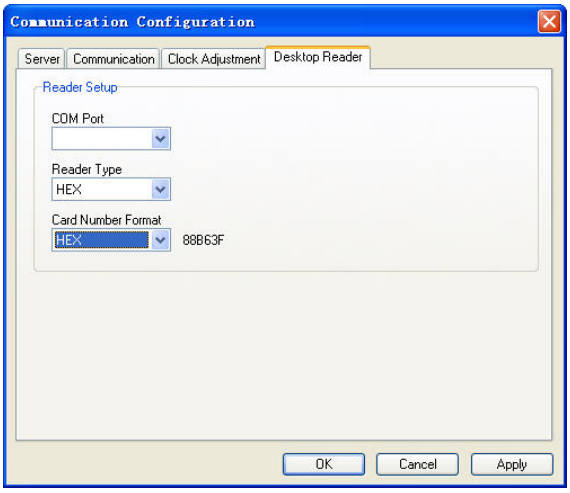
Wiegand: S4 will display the card number as Wiegand format, e.g. 136,46655(which is the same card number like the Decimal format 0008959551).

This format is used for card numbers which are separated to "Facility Code" and "Offset".





HEX: S4 will display the card number in Hexadecimal format, e.g. 88863F (Which is the same card number like the Decimal format 0008959551).



7.9 Alert Email Notification

Sphinx 4 allows to automatically sending an email in case of a certain event. Similar to "Events Alerts" described in section 7.3, Sphinx will automatically send an email to notify a certain event happened (Figure 7-79).

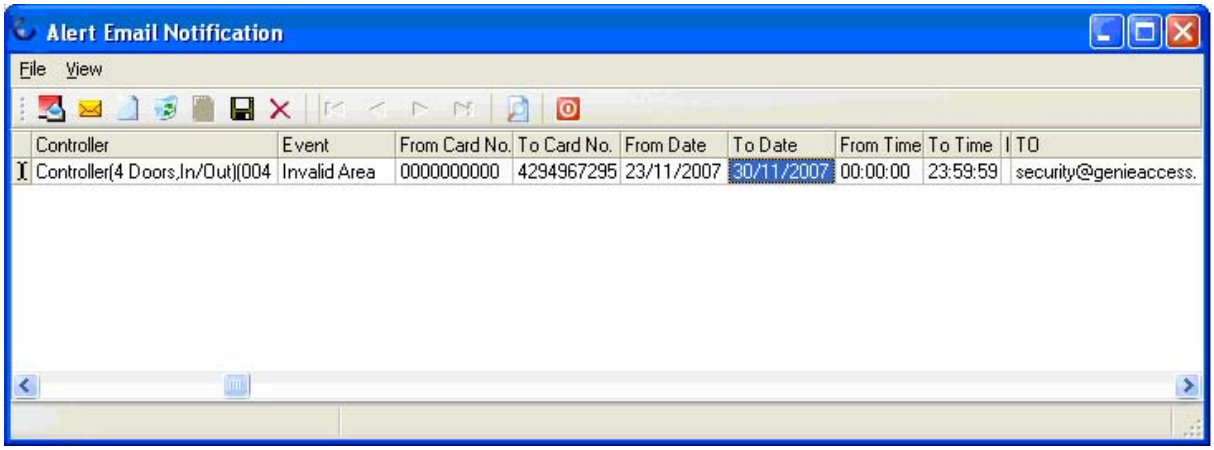
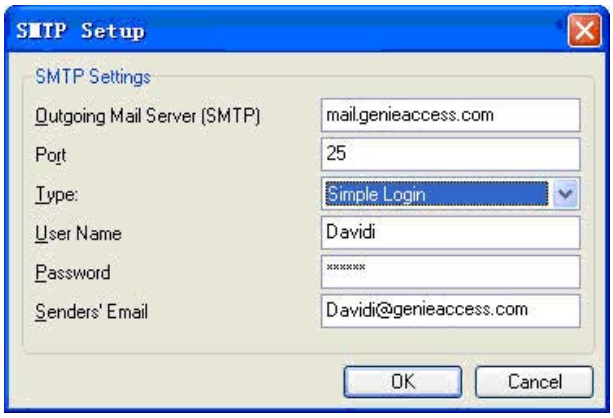


Figure 7-79

7.9.1 SMTP Setup:

Click "File->SMTP Setup" to setup you Outgoing Mail Server (SMTP) for sending emails. It should be the same SMTP as used for MS Outlook.

If user does not know how to set it, please contact your ISP provider or your network administrator.



7.9.2 Sending a Test Email:

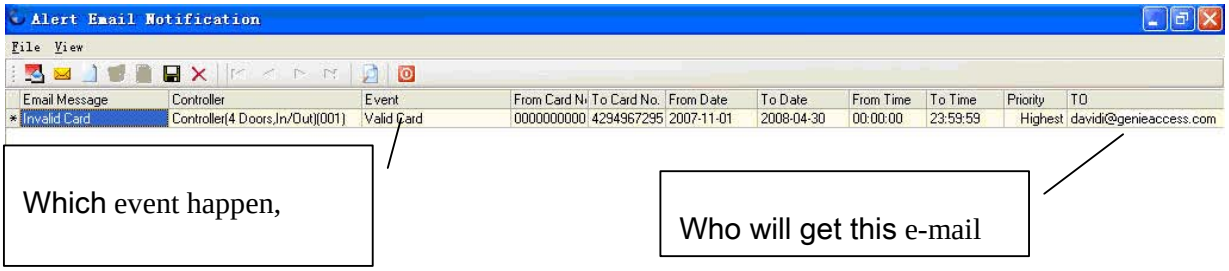
Click "File->Sending a Test Email" to send a test email to the email addresses already setup.

- An email with the title "This is a test email" should be received in the email boxes.
- Please make sure this Host PC can go online connecting the Internet.
- If a mistake in "SMTP Setup" was made, it will be impossible to send an email to these email boxes.

7.9.3 New Alert Email Notification:

Click "File->New Alert Email Notification" to setup the events which should send an automatic email.

User can be notified the Event took place while staying remotely from the system.



7.10 Area Name

If we would like to use the Anti Passback feature, we can change the names of the different areas. Clicking Rename allow us to do so (Figure 7-80).

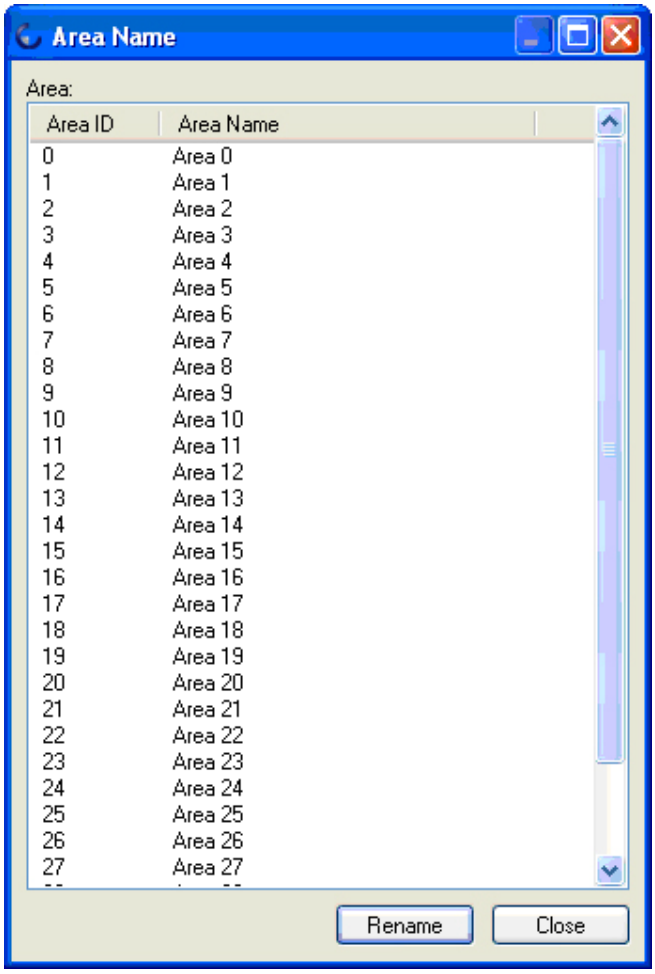


Figure 7-80

7.11 Saved Events

Clicking on the Saved Events sub-menu item on the Setup menu will open the Saved Events screen (Figure 7-81). This screen allows the user to select or deselect any events that are not required to be saved in the memory of controller. By default, all events are saved but there may be occasions where certain events are not required to be saved.

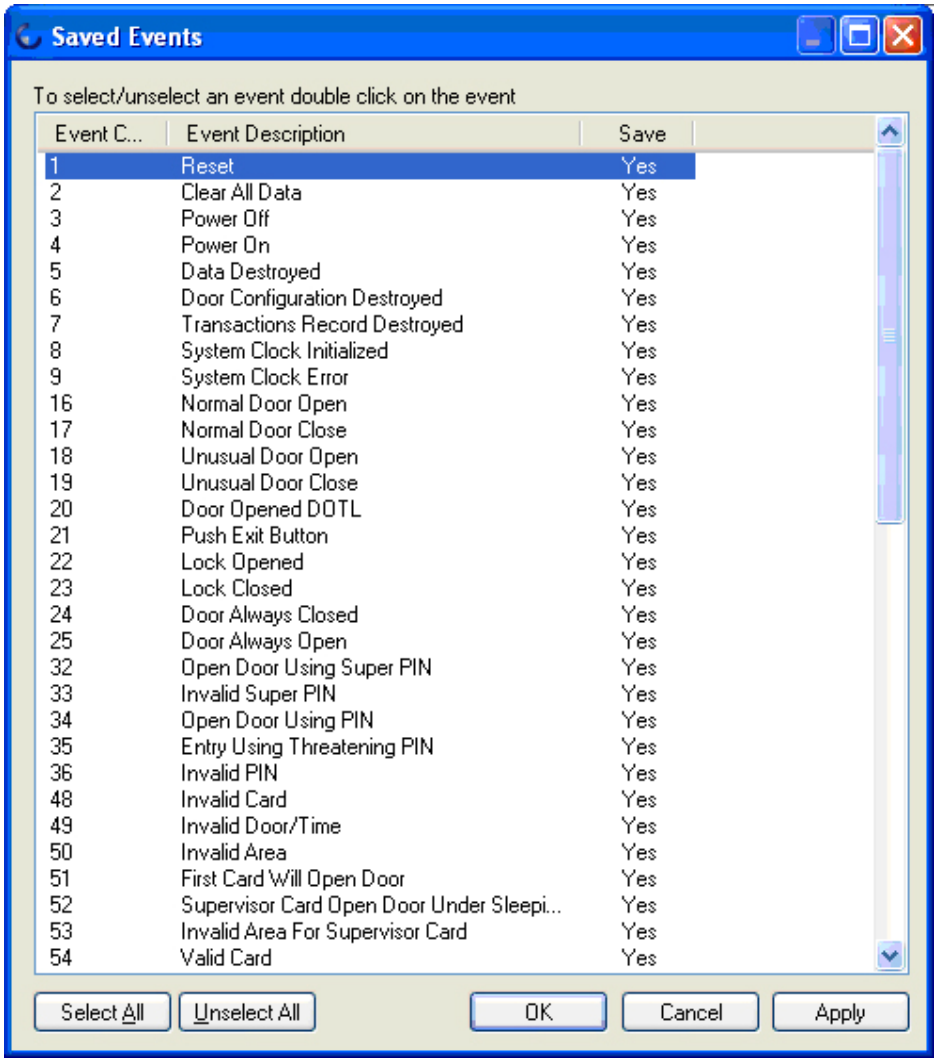

Saved Events
To select/unselect an event double click on the event
Event C...
Event Description
Save
1 Reset Yes
2 Clear All Data Yes
3 Power Off Yes
4 Power On Yes
5 Data Destroyed Yes
6 Door Configuration Destroyed Yes
7 Transactions Record Destroyed Yes
8 System Clock Initialized Yes
9 System Clock Error Yes
16 Normal Door Open Yes
17 Normal Door Close Yes
18 Unusual Door Open Yes
19 Unusual Door Close Yes
20 Door Opened DOTL Yes
21 Push Exit Button Yes
22 Lock Opened Yes
23 Lock Closed Yes
24 Door Always Closed Yes
25 Door Always Open Yes
32 Open Door Using Super PIN Yes
33 Invalid Super PIN Yes
34 Open Door Using PIN Yes
35 Entry Using Threatening PIN Yes
36 Invalid PIN Yes
48 Invalid Card Yes
49 Invalid Door/Time Yes
50 Invalid Area Yes
51 First Card Will Open Door Yes
52 Supervisor Card Open Door Under Sleepi... Yes
53 Invalid Area For Supervisor Card Yes
54 Valid Card Yes
Select All
Unselect All
OK
Cancel
Apply

Figure 7-81

7.12 Car Parking

We can control a parking lot by counting the number of cars entering and leaving while limiting the maximum number. Once reached to the maximum number an Output will be activated (Figure 7-82). This feature requires Sphinx 4 software will remain online.

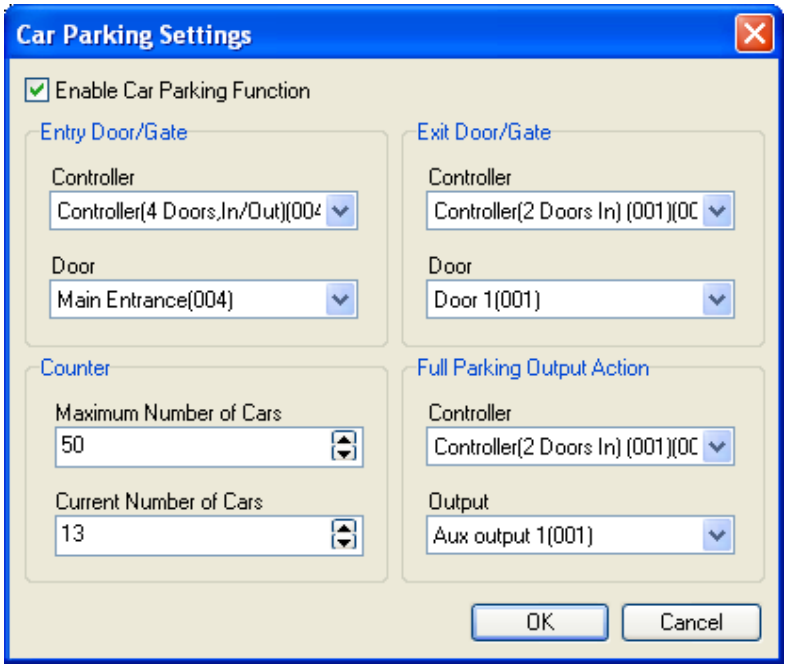


Figure 7-82

The setup shows that cars will be entered the parking lot through the Main Entrance (door) of Controller 4. Maximum number of allowed cars is 50 while currently there are 13.
The cars are leaving through Door1 of Controller1. If the car parking will be full Aux Ouput1 of Controller1 will be opened. This can turn on a red traffic light and/or close the Main Entrance gate.

Chapter 8 Monitor

8.1 Events

The Events Monitor presents all the Events divided into 3 categories: Card Events, Controller Operation Events, Area Changed Events.

The Area Changed events are created only if we activate the Anti Passback (Figure 8-1).

We can see all events information. Double clicking on an event will open the relevant "Personnel Information" as described in Section 7.2.2. It allows the user to change the information or even enroll a new card and personnel to Sphinx 4 (if the user has the privileges). Right clicking when the mouse is on the events area will allow us to select which fields/events to view or to open the "Personnel Photo Viewer" (Figure 8-2).

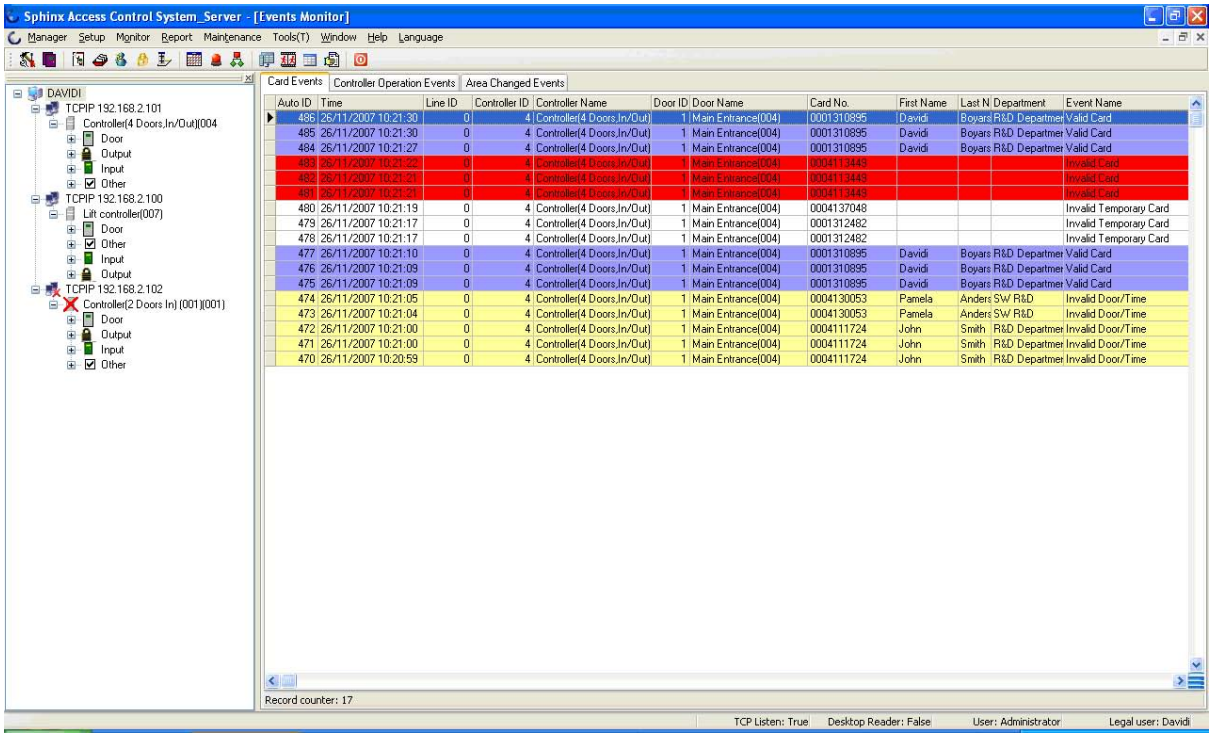

Sphinx Access Control System_Server - [Events Monitor]
Manager Setup Monitor Report Maintenance Tools(T) Window Help Language
Card Events
Controller Operation Events
Area Changed Events
Auto ID Time Line ID Controller ID Controller Name Door ID Door Name Card No. First Name Last N Department Event Name
Record counter: 17
TCP Listen: True
Desktop Reader: False
User: Administrator
Legal user: Davidi

Figure 8-1

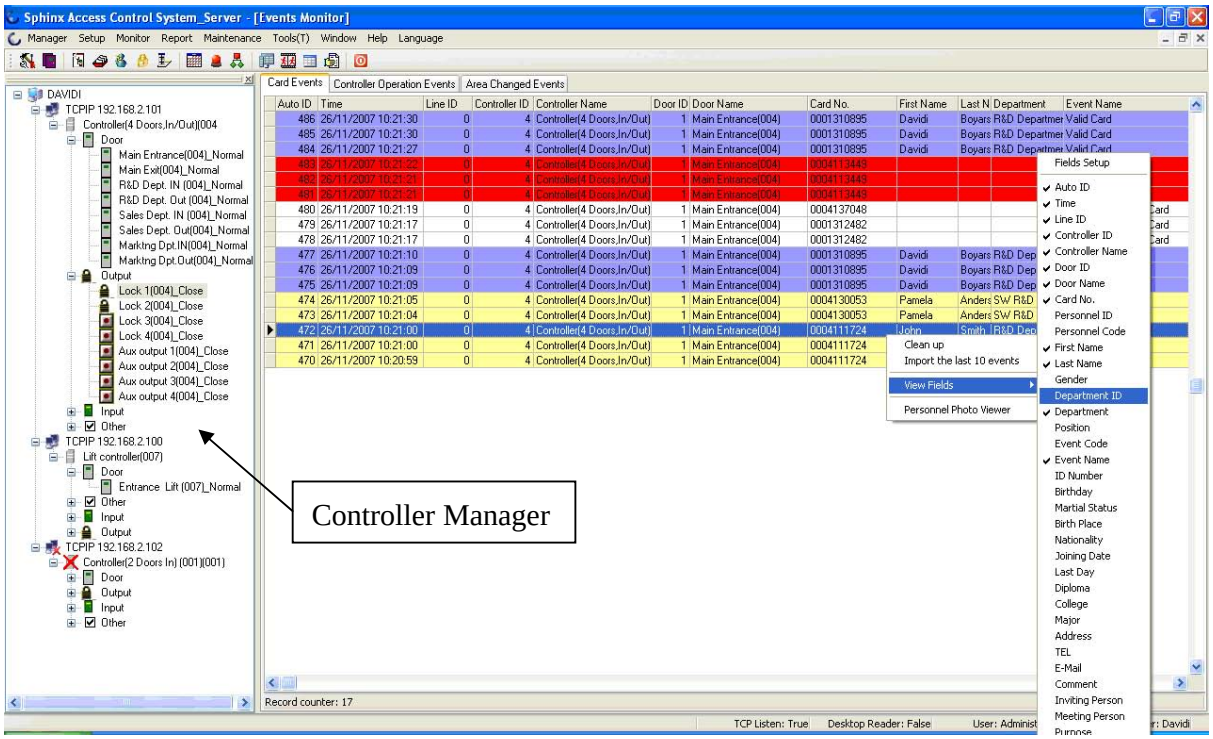


Figure 8-2

On the left hand side we can see the "Controller Manager" which is the tree of controllers and their components. This provides us the status of each controller. In case of communication failure we will be able to see a RED X like for controller 001. We can control each one of the controller components by clicking the component (clicking "+" first if needed) and then right clicking the component and commanding it (Open/ Close etc.).

8.2 Personnel Photo Viewer

In addition to the MSN Messenger style Popup window, the Personnel Photo Viewer provides us a larger view and fixed window. We can see the personnel who just flashed a card, picture and details including where the card flashing took place (Figure 8-3).

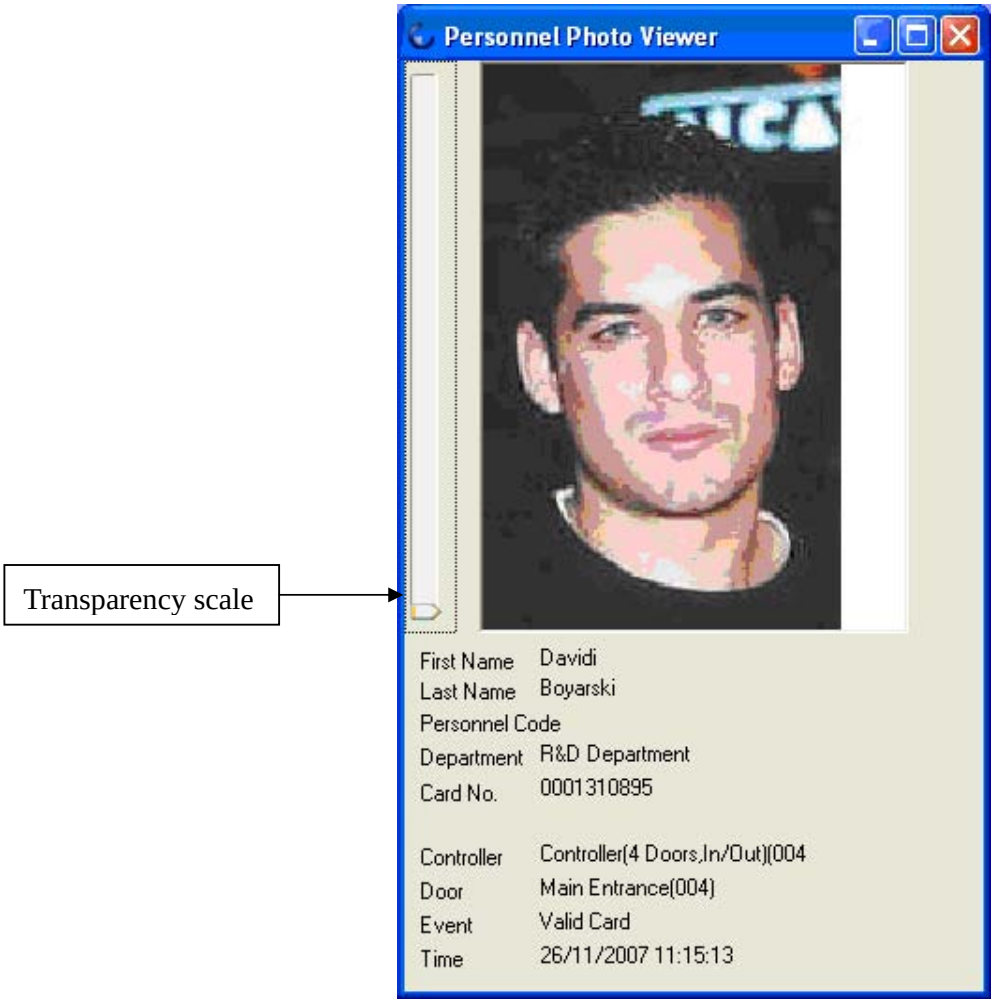


Figure 8-3

The scale and arrow on the left side allow to turn the window to fully transparent gradually (Figure 8-4).

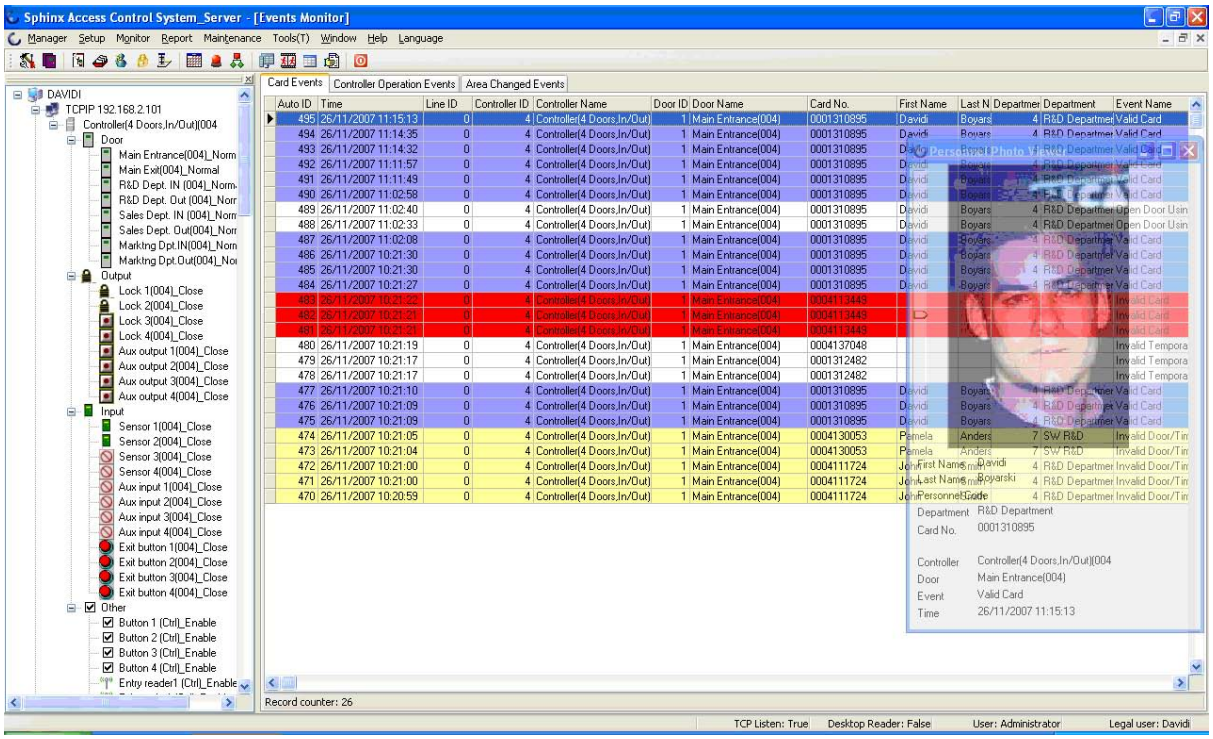


Figure 8-4

8.3 Multi Site View

Clicking the Multi Site View will open the multi site tree of maps and the map view (Figure 8-5). Similar to the "Controller Manager" the Multi Site tree allow us to select and then right click each controller component for commanding it (opening locks, changing door status etc.).
The Map View is multi window and we can have several maps opened at the same time (Figure 8-6).

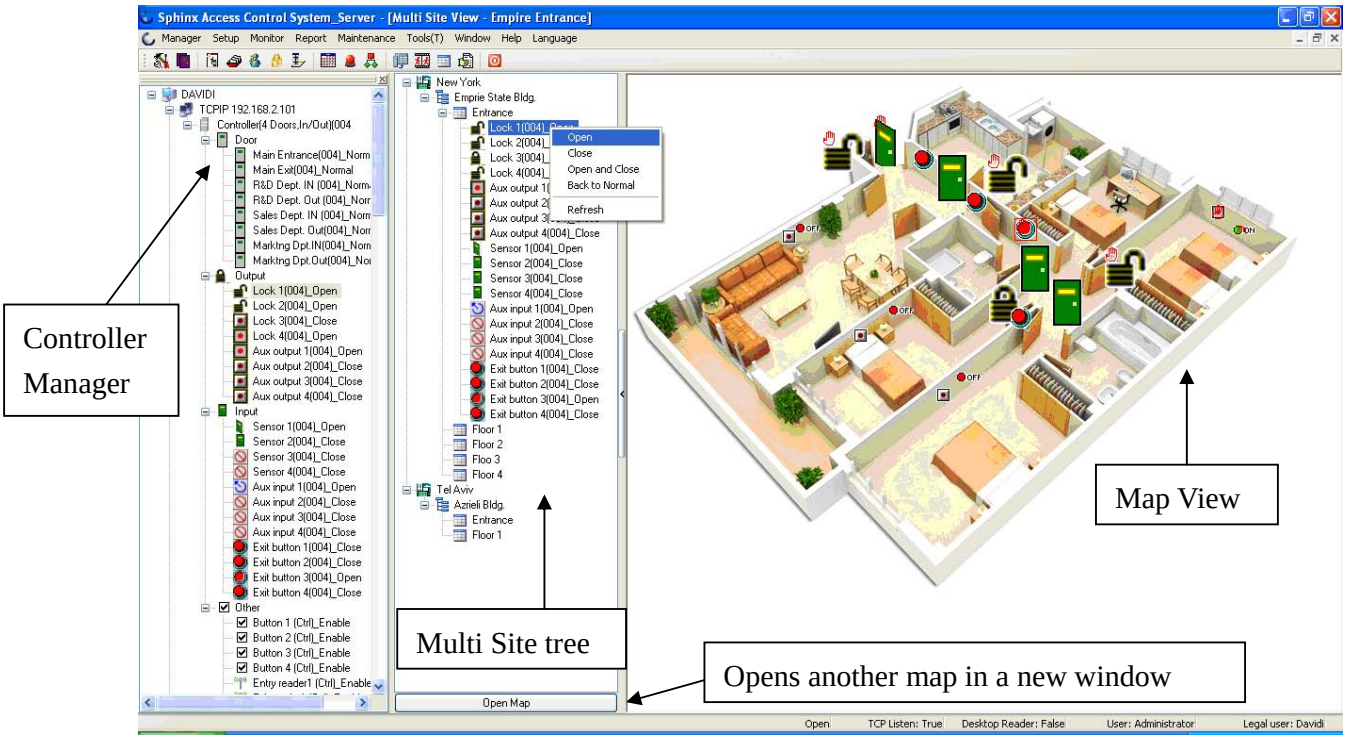

Sphinx Access Control System_Server - [Multi Site View - Empire Entrance]
Controller Manager
Multi Site tree
Map View
Opens another map in a new window
Open Map

Figure 8-5

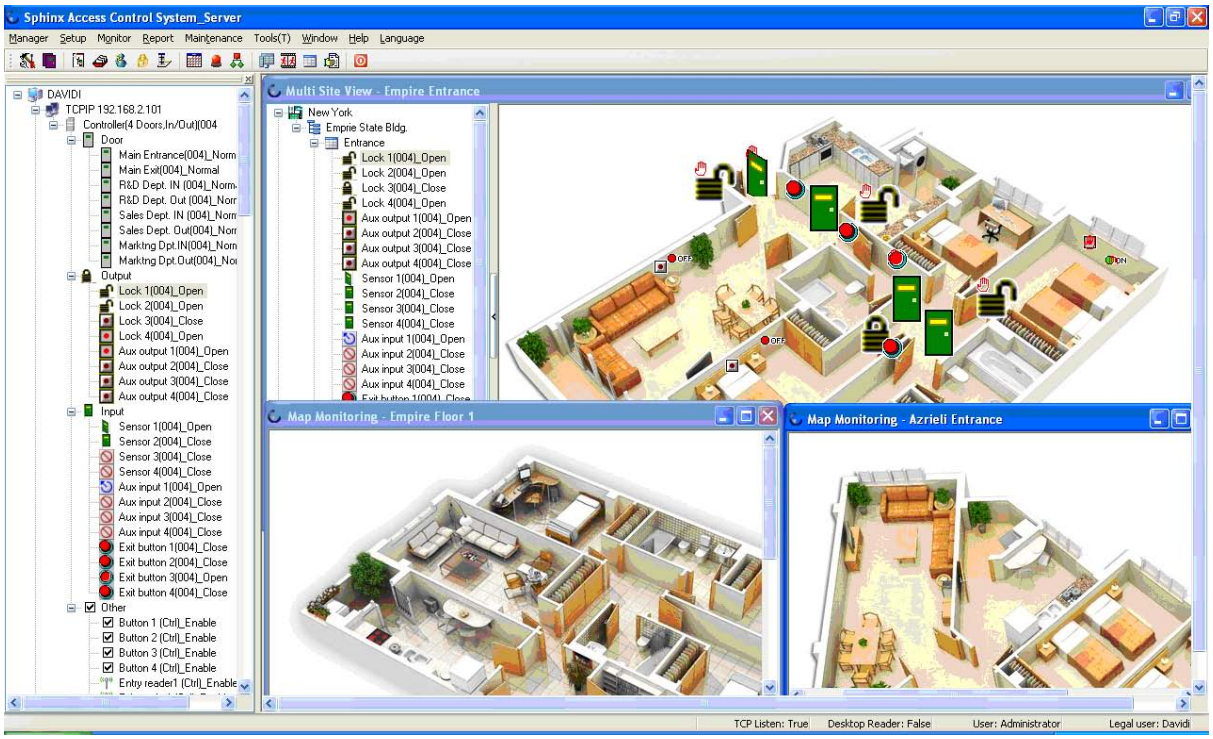

Sphinx Access Control System_Server
Manager Setup Monitor Report Maintenance Tools(T) Window Help Language
Multi Site View - Empire Entrance
Map Monitoring - Empire Floor 1
Map Monitoring - Azrieli Entrance
TCP Listen: True
Desktop Reader: False
User: Administrator
Legal user: Davidi

Figure 8-6

8.4 Open Map

Opens the list of maps (Figure 8-7), to allow viewing the map in a new window (also showed in Figure 8-5, 8-6).

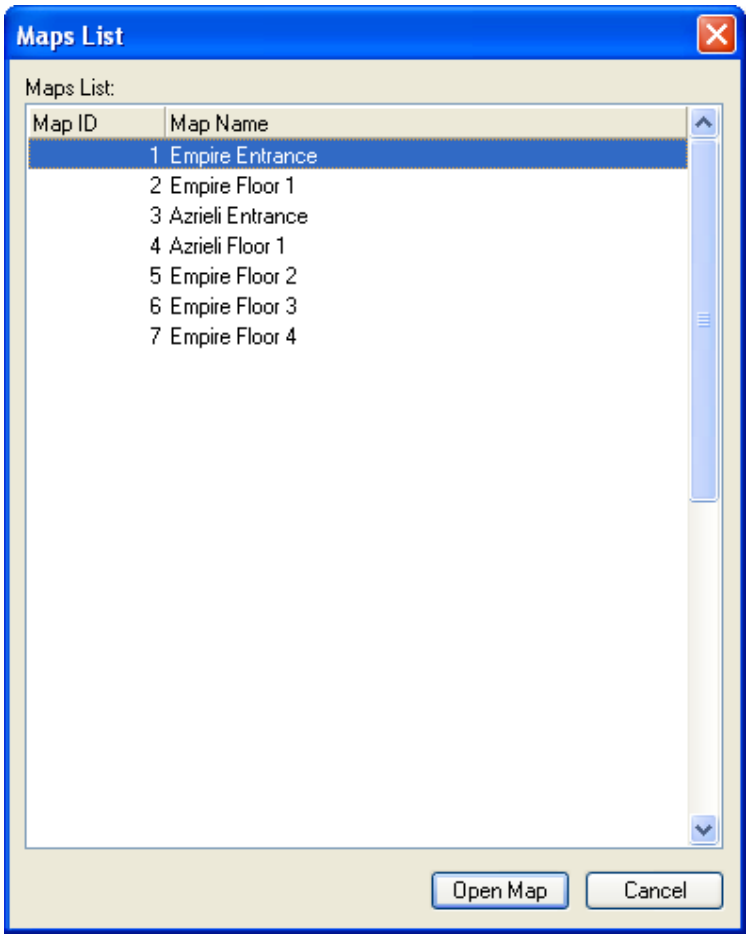


Figure 8-7

8.5 Communication

We can view the status of uploading the configuration or statuses from software to controller (Figure 8-8).

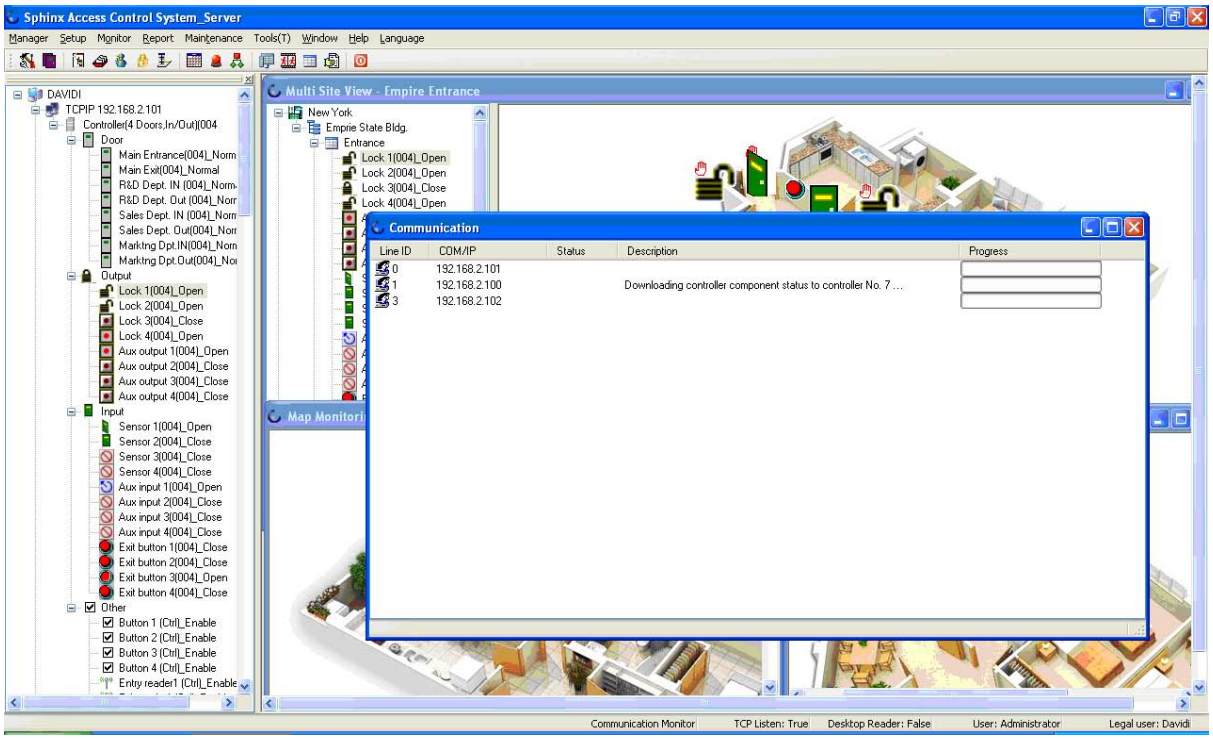

Sphinx Access Control System_Server
Manager Setup Monitor Report Maintenance Tools(T) Window Help Language
Multi Site View - Empire Entrance
Communication
Line ID COM/IP Status Description Progress
0 192.168.2.101
1 192.168.2.100 Downloading controller component status to controller No. 7 ...
3 192.168.2.102
Communication Monitor TCP Listen: True Desktop Reader: False User: Administrator Legal user: Davidi

Figure 8-8

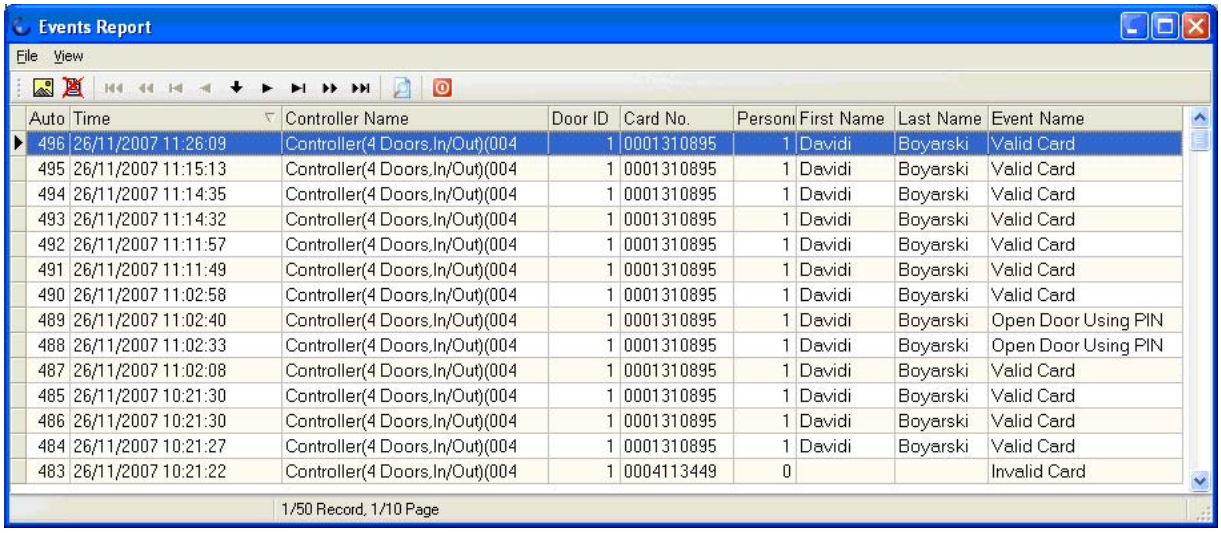
8.6 Clients

Shows the Sphinx 4 Clients which are currently connected to Sphinx 4 Server.

Chapter 9 Report

9.1 All Cards Events

Generate report with all the cards events **(**Figure 9-1).



Auto	Time	Controller Name	Door ID	Card No.	Personi	First Name	Last Name	Event Name
496	26/11/2007 11:26:09	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Valid Card
495	26/11/2007 11:15:13	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Valid Card
494	26/11/2007 11:14:35	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Valid Card
493	26/11/2007 11:14:32	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Valid Card
492	26/11/2007 11:11:57	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Valid Card
491	26/11/2007 11:11:49	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Valid Card
490	26/11/2007 11:02:58	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Valid Card
489	26/11/2007 11:02:40	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Open Door Using PIN
488	26/11/2007 11:02:33	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Open Door Using PIN
487	26/11/2007 11:02:08	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Valid Card
485	26/11/2007 10:21:30	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Valid Card
486	26/11/2007 10:21:30	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Valid Card
484	26/11/2007 10:21:27	Controller(4 Doors,In/Out)(004	1	0001310895	1	Davidi	Boyarski	Valid Card
483	26/11/2007 10:21:22	Controller(4 Doors,In/Out)(004	1	0004113449	0			Invalid Card

Figure 9-1

In the View menu we can use a Filter to search for certain records, we can export the report to an MS-Excel file, and we can show it in a preview mode so it will be suitable for printing.
Records can be Filtered or Located.
Clicking on the Filter in View menu brings up the Filter screen (Figure 9-2). To locate a record click on the field that you wish to search by, enter a starting date and an ending date then click OK. Any records that exist conforming with your search criteria will be listed.

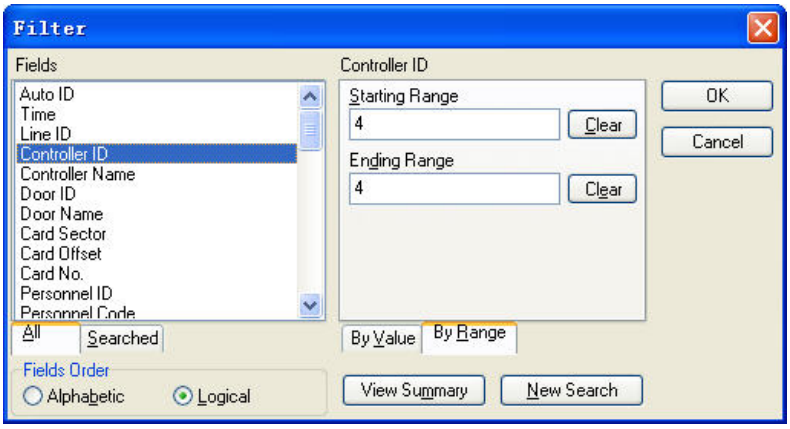
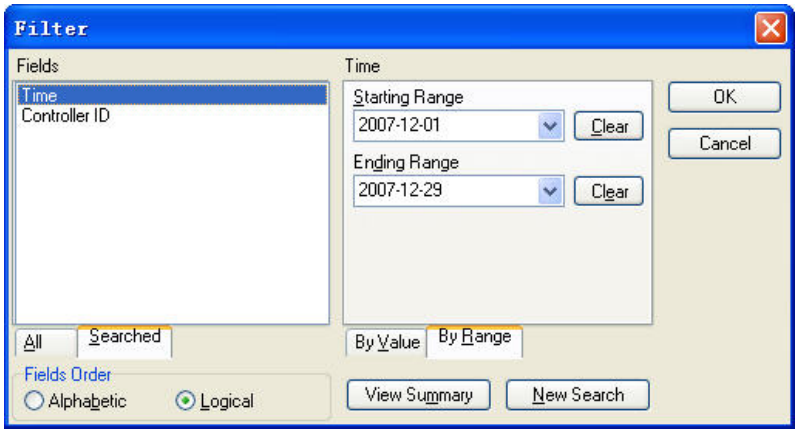


Figure 9-2



A record can be searched for a particular value. Click on Locate in View menu and the Locate Screen appears (Figure 9-3). Clicking on the drop down box under the Fields label will list the fields on which a search can be made. Enter your data, tick any required boxes then click First to find the 1st entry conforming to the data then "Next" to find any subsequent matches.

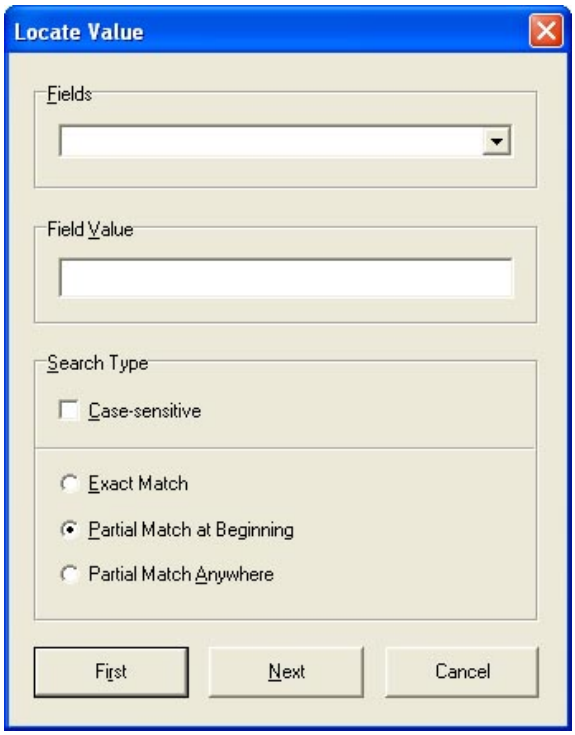


Figure 9-3

9.2 Cards Events Filter

We can run different queries to get specific events records regarding different personnel, departments events etc.(Figure 9-4). Similarly to 9.1 the View menu allows us to export the result to an MS-Excel file or previewing it in a printable mode (Figure 9-5).

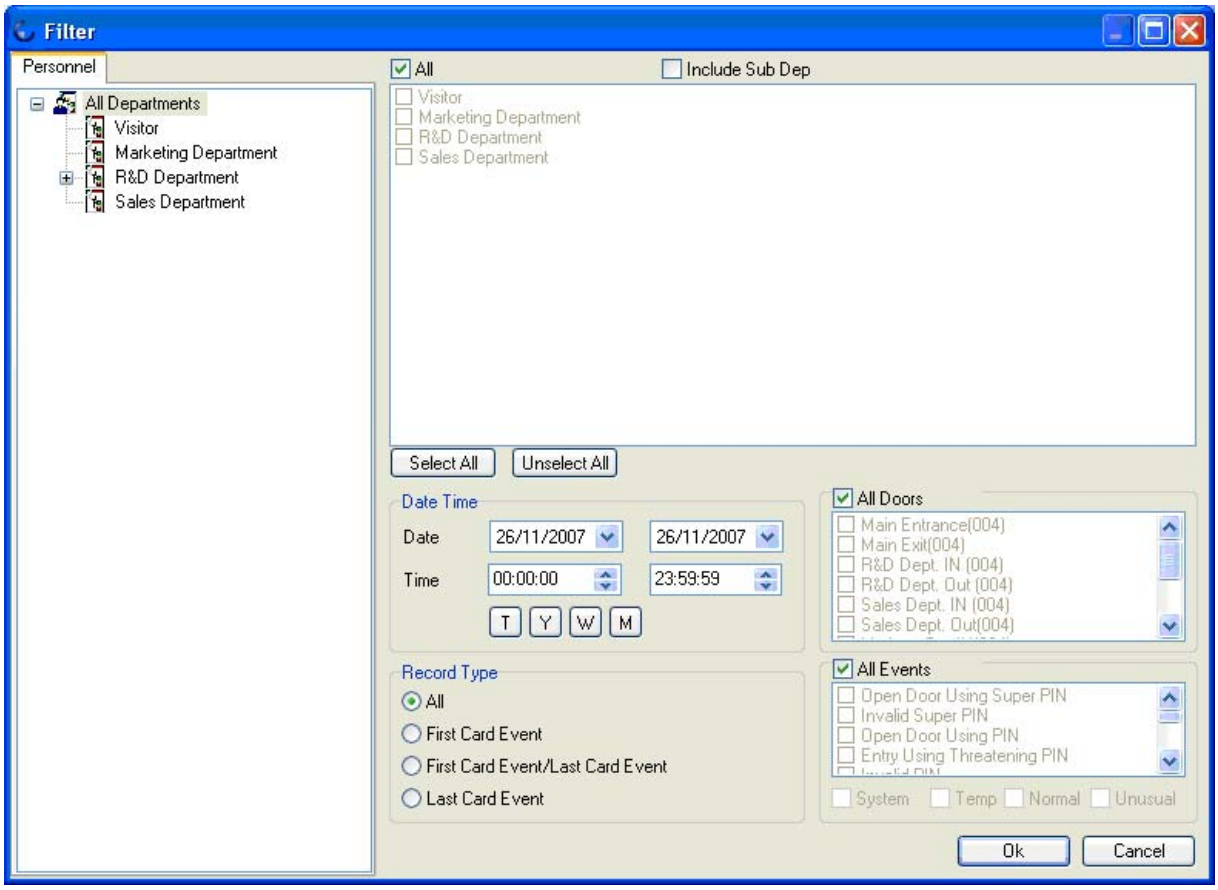
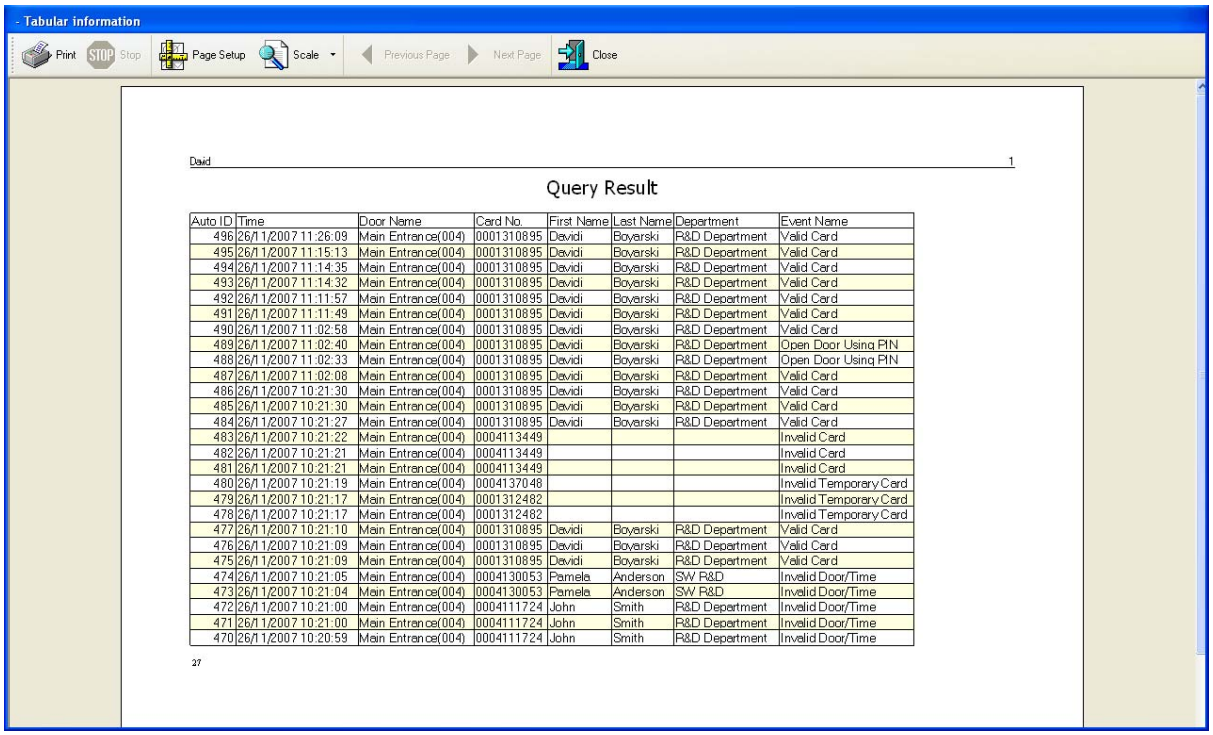

Filter
Personnel
All Departments
Visitor
Marketing Department
R&D Department
Sales Department
All
Include Sub Dep
Visitor
Marketing Department
R&D Department
Sales Department
Select All
Unselect All
Date Time
Date
26/11/2007
26/11/2007
Time
00:00:00
23:59:59
T
Y
W
M
All Doors
Main Entrance(004)
Main Exit(004)
R&D Dept. IN (004)
R&D Dept. Out (004)
Sales Dept. IN (004)
Sales Dept. Out(004)
Record Type
All
First Card Event
First Card Event/Last Card Event
Last Card Event
All Events
Open Door Using Super PIN
Invalid Super PIN
Open Door Using PIN
Entry Using Threatening PIN
System
Temp
Normal
Unusual
Ok
Cancel

Figure 9-4



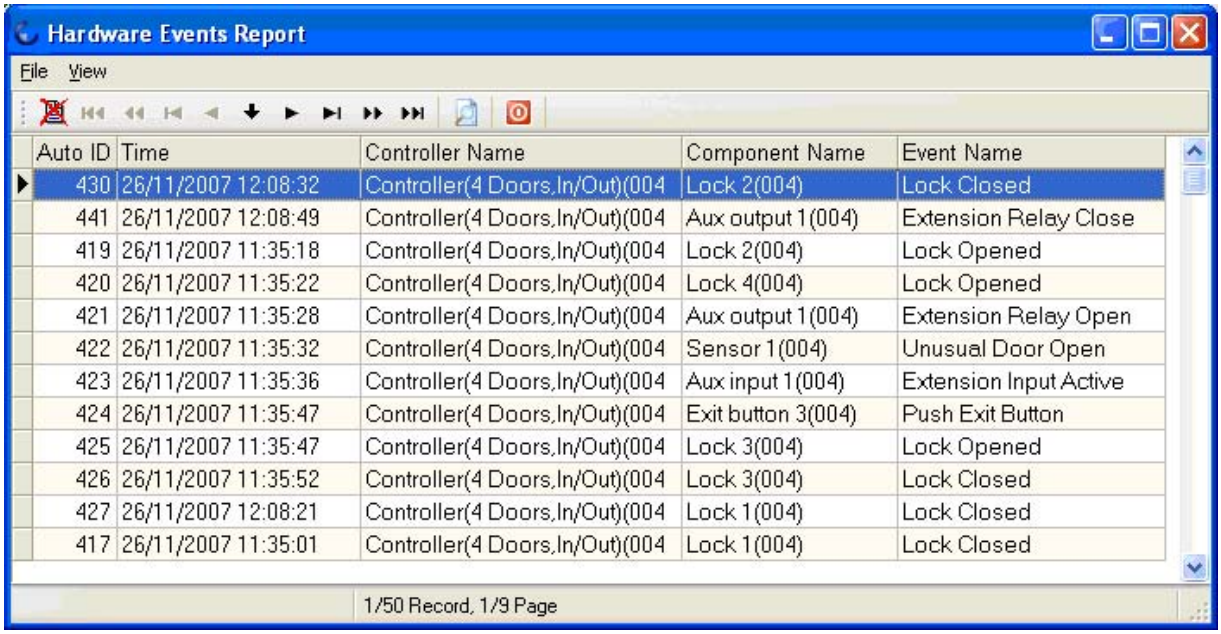
Auto ID	Time	Door Name	Card No.	First Name	Last Name	Department	Event Name
496	26/11/2007 11:26:09	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
495	26/11/2007 11:15:13	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
494	26/11/2007 11:14:35	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
493	26/11/2007 11:14:32	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
492	26/11/2007 11:11:57	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
491	26/11/2007 11:11:49	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
490	26/11/2007 11:02:58	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
489	26/11/2007 11:02:40	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Open Door Using PIN
488	26/11/2007 11:02:33	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Open Door Using PIN
487	26/11/2007 11:02:08	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
486	26/11/2007 10:21:30	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
485	26/11/2007 10:21:30	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
484	26/11/2007 10:21:27	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
483	26/11/2007 10:21:22	Main Entrance(004)	0004113449				Invalid Card
482	26/11/2007 10:21:21	Main Entrance(004)	0004113449				Invalid Card
481	26/11/2007 10:21:21	Main Entrance(004)	0004113449				Invalid Card
480	26/11/2007 10:21:19	Main Entrance(004)	0004137048				Invalid Temporary Card
479	26/11/2007 10:21:17	Main Entrance(004)	0001312482				Invalid Temporary Card
478	26/11/2007 10:21:17	Main Entrance(004)	0001312482				Invalid Temporary Card
477	26/11/2007 10:21:10	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
476	26/11/2007 10:21:09	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
475	26/11/2007 10:21:09	Main Entrance(004)	0001310895	Davidi	Boyarski	R&D Department	Valid Card
474	26/11/2007 10:21:05	Main Entrance(004)	0004130053	Pamela	Anderson	SW R&D	Invalid Door/Time
473	26/11/2007 10:21:04	Main Entrance(004)	0004130053	Pamela	Anderson	SW R&D	Invalid Door/Time
472	26/11/2007 10:21:00	Main Entrance(004)	0004111724	John	Smith	R&D Department	Invalid Door/Time
471	26/11/2007 10:21:00	Main Entrance(004)	0004111724	John	Smith	R&D Department	Invalid Door/Time
470	26/11/2007 10:20:59	Main Entrance(004)	0004111724	John	Smith	R&D Department	Invalid Door/Time

27

Figure 9-5

9.3 All Hardware Events

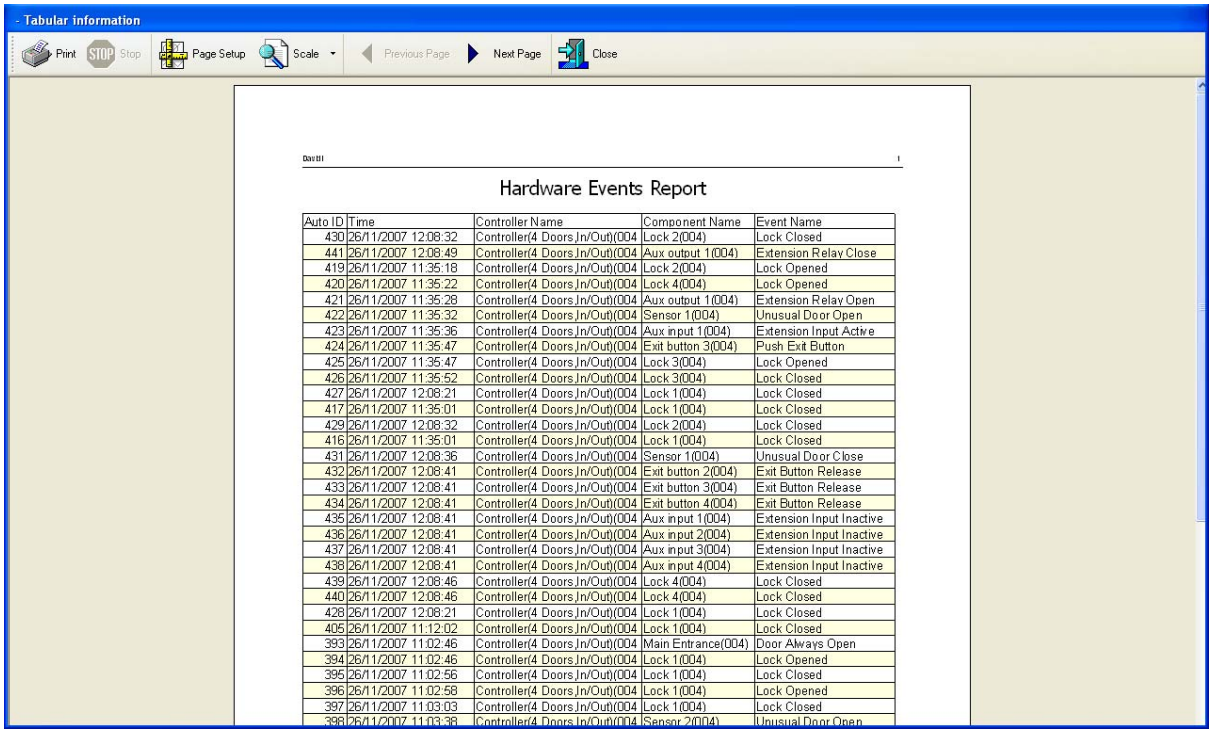
This function is showing all the hardware events (Figure 9-6). Similar to Card Events, in View menu we will find the Filter to search and receive certain records only, Locate Value for a certain value, select the Fields to be presented and Preview in a printable mode (Figure 9-7).



Auto ID	Time	Controller Name	Component Name	Event Name
430	26/11/2007 12:08:32	Controller(4 Doors,In/Out)(004	Lock 2(004)	Lock Closed
441	26/11/2007 12:08:49	Controller(4 Doors,In/Out)(004	Aux output 1(004)	Extension Relay Close
419	26/11/2007 11:35:18	Controller(4 Doors,In/Out)(004	Lock 2(004)	Lock Opened
420	26/11/2007 11:35:22	Controller(4 Doors,In/Out)(004	Lock 4(004)	Lock Opened
421	26/11/2007 11:35:28	Controller(4 Doors,In/Out)(004	Aux output 1(004)	Extension Relay Open
422	26/11/2007 11:35:32	Controller(4 Doors,In/Out)(004	Sensor 1(004)	Unusual Door Open
423	26/11/2007 11:35:36	Controller(4 Doors,In/Out)(004	Aux input 1(004)	Extension Input Active
424	26/11/2007 11:35:47	Controller(4 Doors,In/Out)(004	Exit button 3(004)	Push Exit Button
425	26/11/2007 11:35:47	Controller(4 Doors,In/Out)(004	Lock 3(004)	Lock Opened
426	26/11/2007 11:35:52	Controller(4 Doors,In/Out)(004	Lock 3(004)	Lock Closed
427	26/11/2007 12:08:21	Controller(4 Doors,In/Out)(004	Lock 1(004)	Lock Closed
417	26/11/2007 11:35:01	Controller(4 Doors,In/Out)(004	Lock 1(004)	Lock Closed

1/50 Record, 1/9 Page

Figure 9-6



Hardware Events Report

Auto ID	Time	Controller Name	Component Name	Event Name
430	26/11/2007 12:08:32	Controller(4 Doors,In/Out)(004	Lock 2(004)	Lock Closed
441	26/11/2007 12:08:49	Controller(4 Doors,In/Out)(004	Aux output 1(004)	Extension Relay Close
419	26/11/2007 11:35:18	Controller(4 Doors,In/Out)(004	Lock 2(004)	Lock Opened
420	26/11/2007 11:35:22	Controller(4 Doors,In/Out)(004	Lock 4(004)	Lock Opened
421	26/11/2007 11:35:28	Controller(4 Doors,In/Out)(004	Aux output 1(004)	Extension Relay Open
422	26/11/2007 11:35:32	Controller(4 Doors,In/Out)(004	Sensor 1(004)	Unusual Door Open
423	26/11/2007 11:35:36	Controller(4 Doors,In/Out)(004	Aux input 1(004)	Extension Input Active
424	26/11/2007 11:35:47	Controller(4 Doors,In/Out)(004	Exit button 3(004)	Push Exit Button
425	26/11/2007 11:35:47	Controller(4 Doors,In/Out)(004	Lock 3(004)	Lock Opened
426	26/11/2007 11:35:52	Controller(4 Doors,In/Out)(004	Lock 3(004)	Lock Closed
427	26/11/2007 12:08:21	Controller(4 Doors,In/Out)(004	Lock 1(004)	Lock Closed
417	26/11/2007 11:35:01	Controller(4 Doors,In/Out)(004	Lock 1(004)	Lock Closed
429	26/11/2007 12:08:32	Controller(4 Doors,In/Out)(004	Lock 2(004)	Lock Closed
416	26/11/2007 11:35:01	Controller(4 Doors,In/Out)(004	Lock 1(004)	Lock Closed
431	26/11/2007 12:08:36	Controller(4 Doors,In/Out)(004	Sensor 1(004)	Unusual Door Close
432	26/11/2007 12:08:41	Controller(4 Doors,In/Out)(004	Exit button 2(004)	Exit Button Release
433	26/11/2007 12:08:41	Controller(4 Doors,In/Out)(004	Exit button 3(004)	Exit Button Release
434	26/11/2007 12:08:41	Controller(4 Doors,In/Out)(004	Exit button 4(004)	Exit Button Release
435	26/11/2007 12:08:41	Controller(4 Doors,In/Out)(004	Aux input 1(004)	Extension Input Inactive
436	26/11/2007 12:08:41	Controller(4 Doors,In/Out)(004	Aux input 2(004)	Extension Input Inactive
437	26/11/2007 12:08:41	Controller(4 Doors,In/Out)(004	Aux input 3(004)	Extension Input Inactive
438	26/11/2007 12:08:41	Controller(4 Doors,In/Out)(004	Aux input 4(004)	Extension Input Inactive
439	26/11/2007 12:08:46	Controller(4 Doors,In/Out)(004	Lock 4(004)	Lock Closed
440	26/11/2007 12:08:46	Controller(4 Doors,In/Out)(004	Lock 4(004)	Lock Closed
428	26/11/2007 12:08:21	Controller(4 Doors,In/Out)(004	Lock 1(004)	Lock Closed
405	26/11/2007 11:12:02	Controller(4 Doors,In/Out)(004	Lock 1(004)	Lock Closed
393	26/11/2007 11:02:46	Controller(4 Doors,In/Out)(004	Main Entrance(004)	Door Always Open
394	26/11/2007 11:02:46	Controller(4 Doors,In/Out)(004	Lock 1(004)	Lock Opened
395	26/11/2007 11:02:56	Controller(4 Doors,In/Out)(004	Lock 1(004)	Lock Closed
396	26/11/2007 11:02:58	Controller(4 Doors,In/Out)(004	Lock 1(004)	Lock Opened
397	26/11/2007 11:03:03	Controller(4 Doors,In/Out)(004	Lock 1(004)	Lock Closed
398	26/11/2007 11:03:36	Controller(4 Doors,In/Out)(004	Sensor 2(004)	Unusual Door Open

Figure 9-7

9.4 Area Report

In some cases we would like to know how many Personnel are in each area. The Area Report provides us with this kind of information. It has the same features in its View menu like the report above (Sections 9.1 – 9.3). Please note that Anti Passback feature must be active and used properly for the information in this report to be accurate (Figure 9-8).

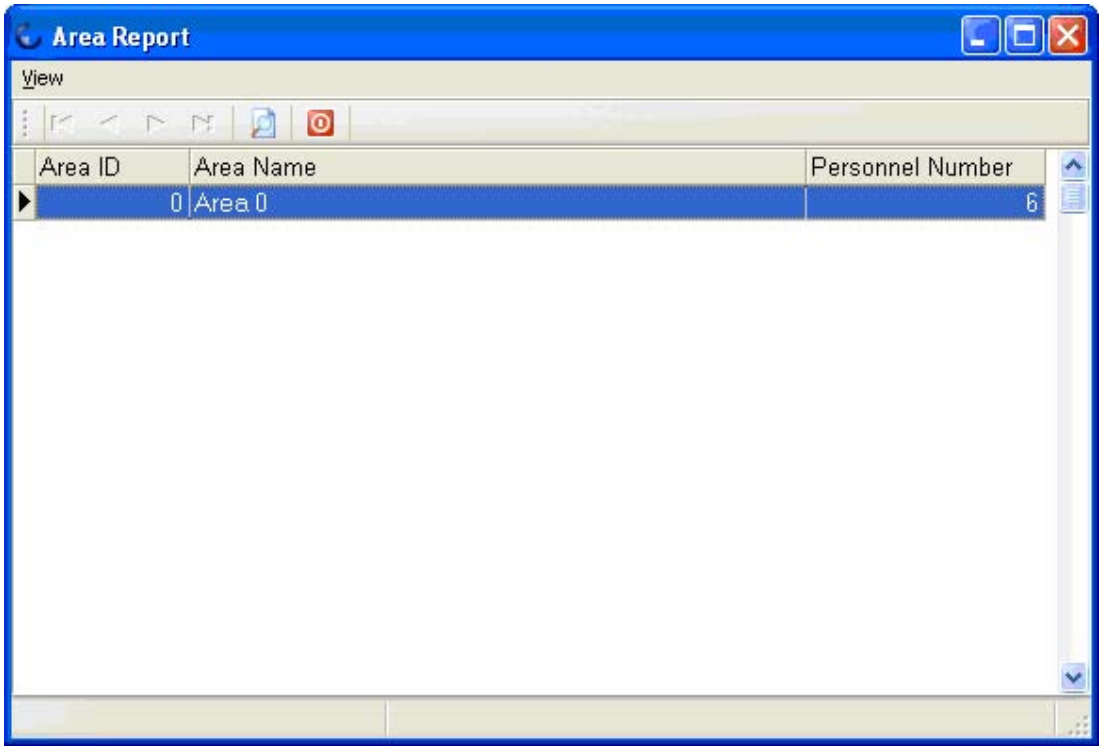


Figure 9-8

9.5 Personnel Area Report

Personnel Area Report allows us to see the Personnel currently in each area. It has the same features in its View menu like the reports above (Sections 9.1 – 9.3). Please note that Anti Passback feature must be active and used properly for the information in this report to be accurate (Figure 9-9). Both this report and the
Area Report (Section 9.4) can be used in emergency cases where security forces would like to evacuate the building immediately. In this way they can know where is each personnel and whether all the areas are empty.

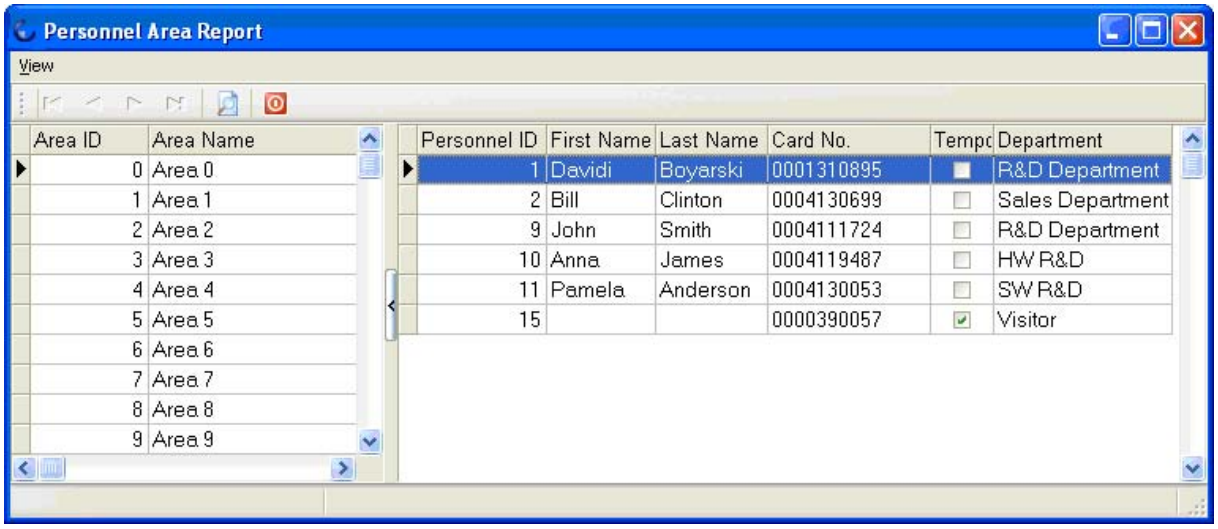


Figure 9-9

9.6 Area Changed Report

The report tracks how our Personnel are moving inside the buildings/offices from one area to the other. This can help us to trace a certain personnel, see where he was and when; in case we need to investigate. One of the cases this report is used, is to know who caused damage to equipment of the office etc., f we suspect that one of the Personnel did it. It has the same features in its View menu like the reports described in Sections 9.4-9.5. Anti Passback must be activated and properly used.

9.7 System Log

The System Log shows us which Sphinx 4 user was logon and when. It shows us what kind of actions the user took. This way we can easily know who was the "Guard" or "Operator" of the system during a certain time. In case we would like to investigate a critical event like intrusion to the office or building, the System Log will allow seeing "In whose shift it happened". . It has the same features in its View menu like the report above (Sections 9.1 – 9.3) (Figure 9-10).

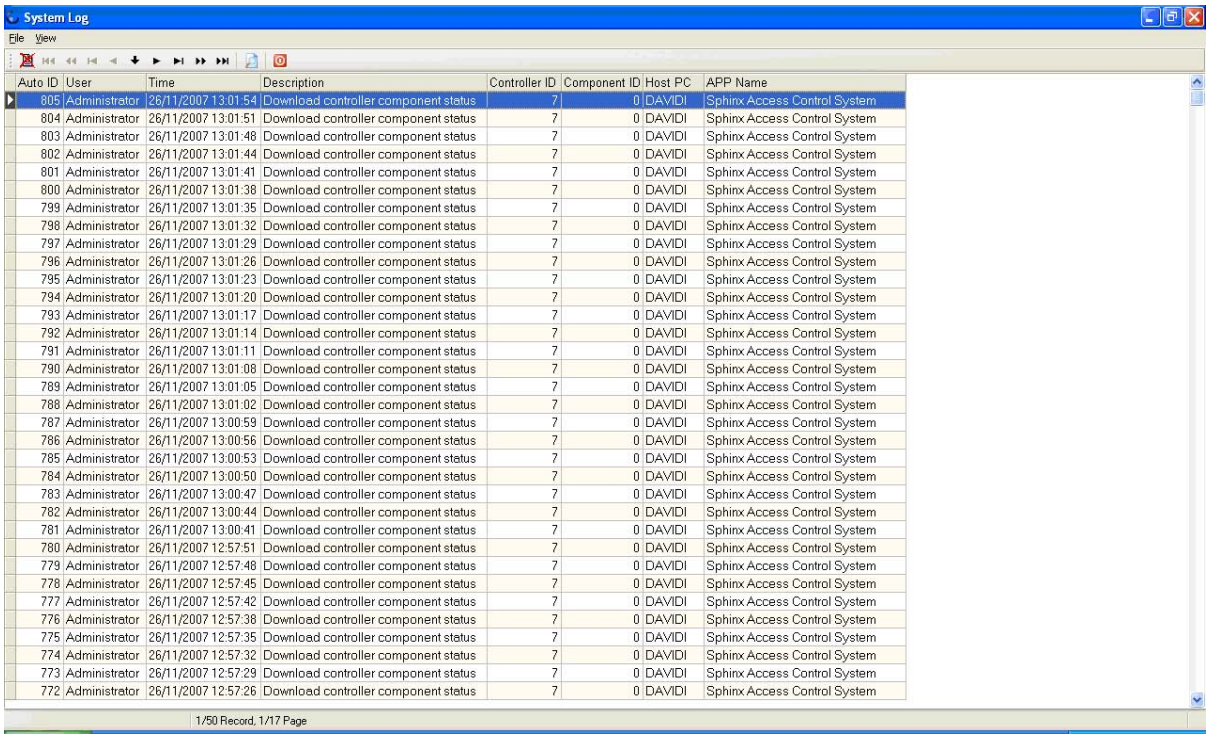

System Log
File View
Auto ID | User | Time | Description | Controller ID | Component ID | Host PC | APP Name
805 | Administrator | 26/11/2007 13:01:54 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
804 | Administrator | 26/11/2007 13:01:51 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
803 | Administrator | 26/11/2007 13:01:48 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
802 | Administrator | 26/11/2007 13:01:44 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
801 | Administrator | 26/11/2007 13:01:41 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
800 | Administrator | 26/11/2007 13:01:38 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
799 | Administrator | 26/11/2007 13:01:35 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
798 | Administrator | 26/11/2007 13:01:32 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
797 | Administrator | 26/11/2007 13:01:29 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
796 | Administrator | 26/11/2007 13:01:26 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
795 | Administrator | 26/11/2007 13:01:23 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
794 | Administrator | 26/11/2007 13:01:20 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
793 | Administrator | 26/11/2007 13:01:17 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
792 | Administrator | 26/11/2007 13:01:14 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
791 | Administrator | 26/11/2007 13:01:11 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
790 | Administrator | 26/11/2007 13:01:08 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
789 | Administrator | 26/11/2007 13:01:05 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
788 | Administrator | 26/11/2007 13:01:02 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
787 | Administrator | 26/11/2007 13:00:59 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
786 | Administrator | 26/11/2007 13:00:56 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
785 | Administrator | 26/11/2007 13:00:53 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
784 | Administrator | 26/11/2007 13:00:50 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
783 | Administrator | 26/11/2007 13:00:47 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
782 | Administrator | 26/11/2007 13:00:44 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
781 | Administrator | 26/11/2007 13:00:41 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
780 | Administrator | 26/11/2007 12:57:51 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
779 | Administrator | 26/11/2007 12:57:48 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
778 | Administrator | 26/11/2007 12:57:45 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
777 | Administrator | 26/11/2007 12:57:42 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
776 | Administrator | 26/11/2007 12:57:38 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
775 | Administrator | 26/11/2007 12:57:35 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
774 | Administrator | 26/11/2007 12:57:32 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
773 | Administrator | 26/11/2007 12:57:29 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
772 | Administrator | 26/11/2007 12:57:26 | Download controller component status | 7 | 0 | DAVIDI | Sphinx Access Control System
1/50 Record, 1/17 Page

Figure 9-10

Chapter 10 Maintenance

10.1 Delete Events

Deleting events can be any of the 3 types: card events, controller operation events or area changed events (Anti Passback) (Figure 10-1).

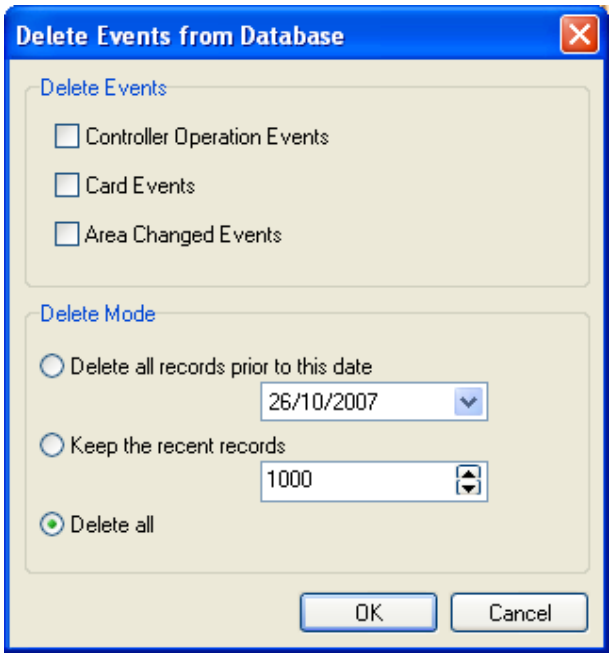


Figure 10-1

10.2 Auto Events Cleanup

Similar to Section 10.1 but will be performed on a daily basis on a certain hour. This way we can keep only records from a certain period back, while deleting the older records (Figure 10-2).

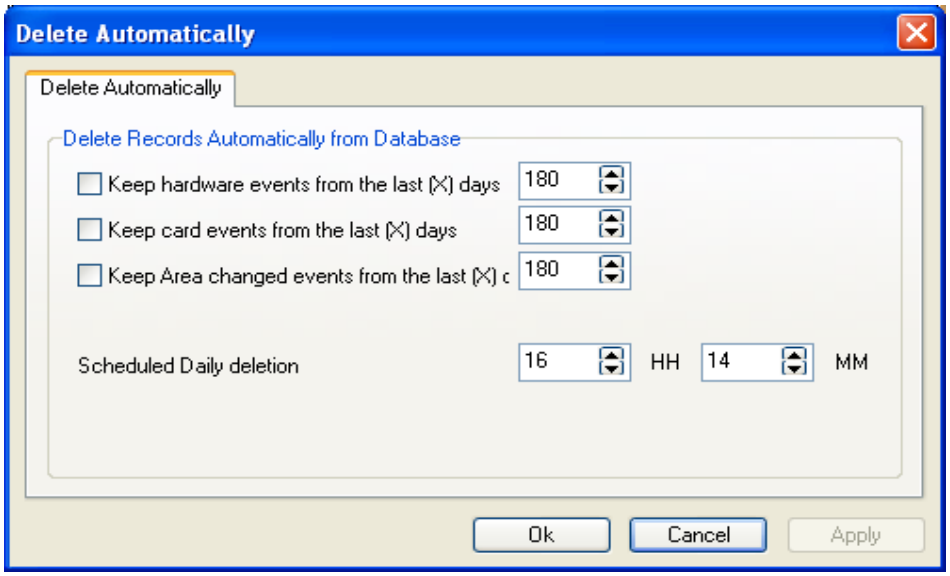


Figure 10-2

10.3 Backup Database

The user should backup the Database after any programming or Personnel changes so that the data can be restored if required. Select "Backup Database" from the Maintenance menu. Click "Yes" to repair the database before backup (Figure 10-3). Disconnect any clients that may be accessing the database, then click "Yes" to continue (Figure 10-4).

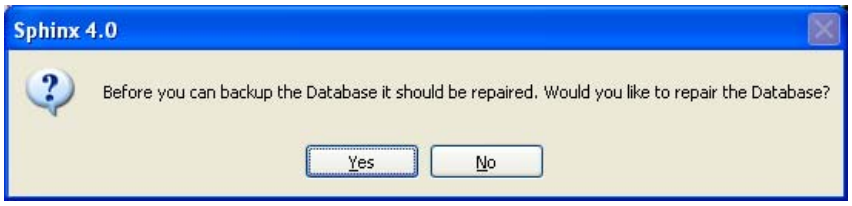


Figure 10-3

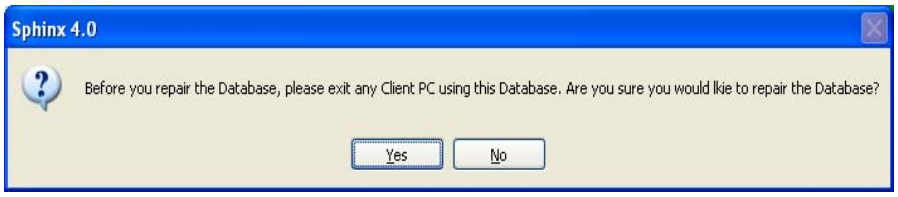

Sphinx 4.0
Before you repair the Database, please exit any Client PC using this Database. Are you sure you would lkie to repair the Database?
Yes
No

Figure 10-4

Once the database has been successfully repaired click "OK" to continue (Figure 10-5).

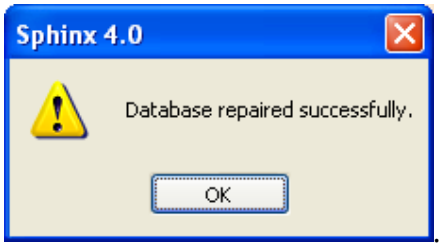


Figure 10-5

Select a location to save the Database (Zip format), then select "Save" (Figure 10-6).

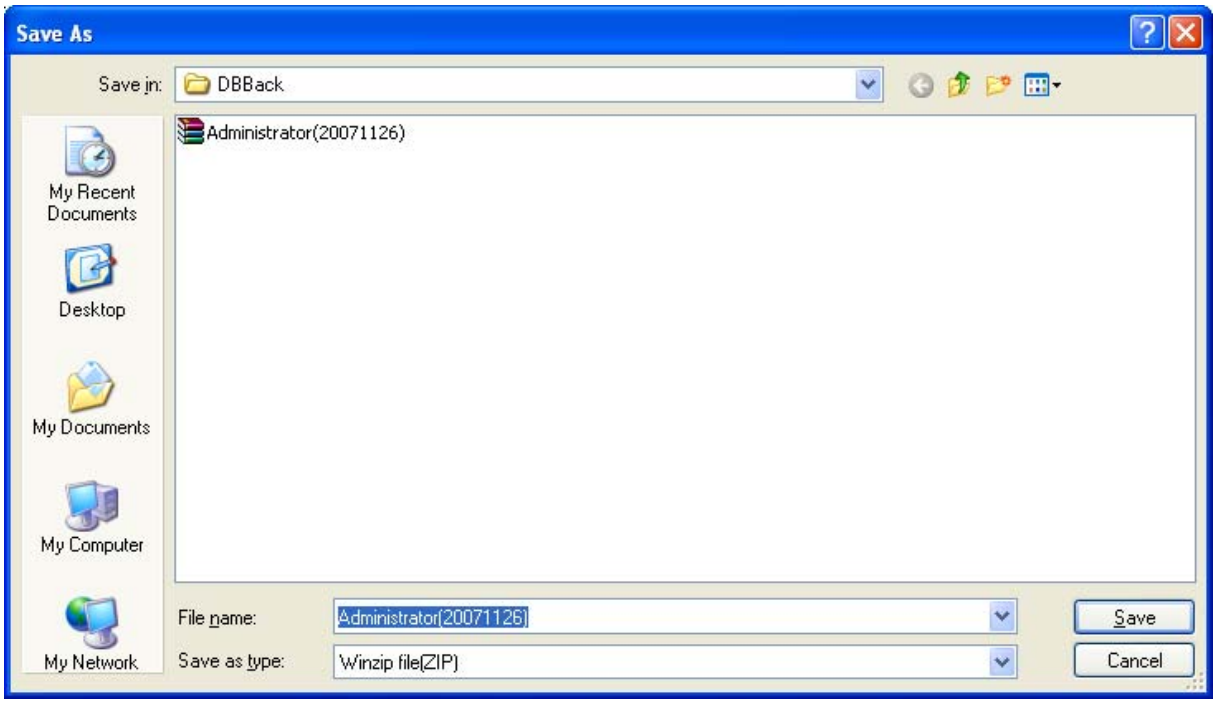


Figure 10-6

If the Database is backed up successfully the Database backup successful message below will appear (Figure 10-7). Click "OK".

Figure 10-7

10.4 Auto Backup Database

Similar to 10.3 we perform a scheduled database backup (Figure 10-8).

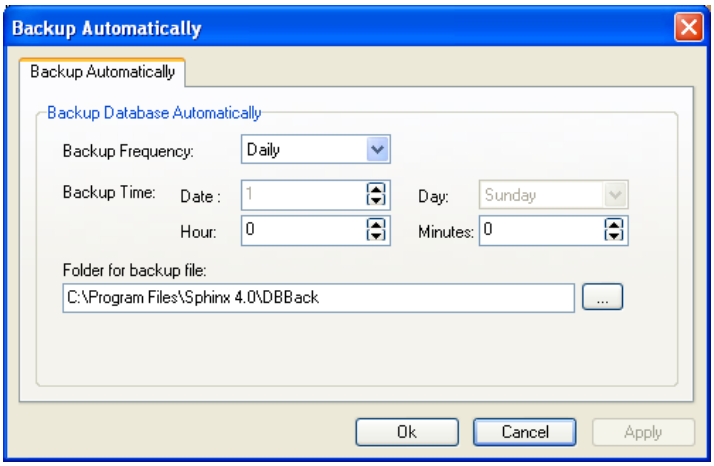


Figure 10-8

10.5 Restore Database

If the Database needs to be restored select "Restore Database" from the Maintenance menu. The restore needs full access to the database and if some other programs are using the database, the "Database Restore" option may not work. Disconnect any clients that may be using the database before restoring. Select the database that you wish to restore and click open (Figure 10-9).

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AL7 1LT, United Kingdom
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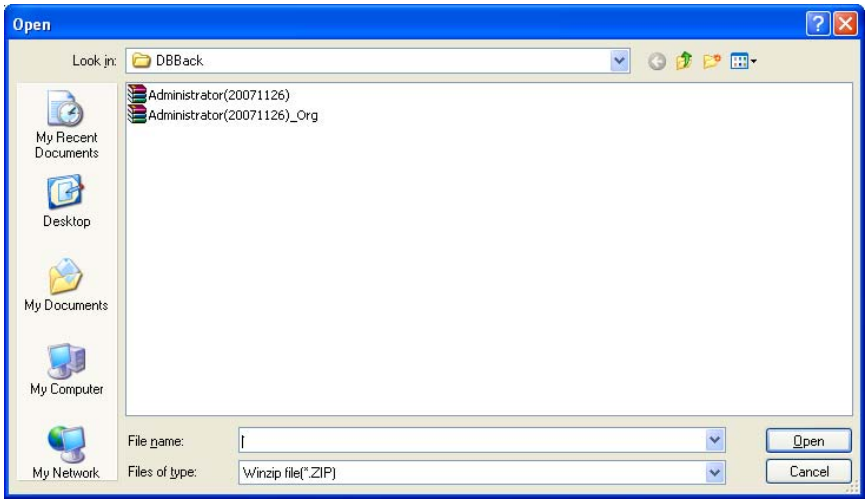

Figure 10-9

Before restoring a warning message will alert that the existed database will be overwrite and lost (Figure 10-10).

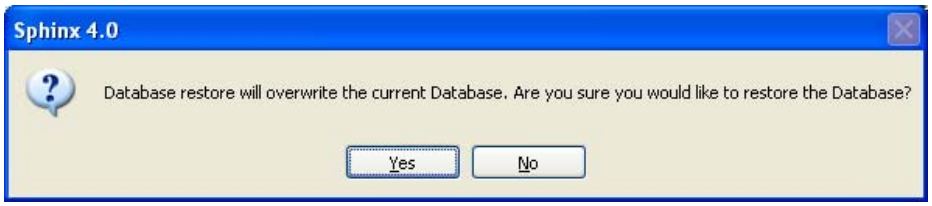
Sphinx 4.0
Database restore will overwrite the current Database. Are you sure you would like to restore the Database?
Yes
No

Figure 10-10

Once the database has been restored the software will need to be restarted. Click "OK" to restart (Figure 10-11).

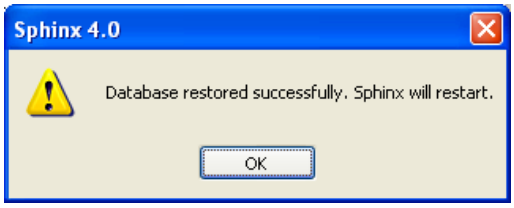

Figure 10-11

10.6 Compact/Repair Database

The Compact/Repair Database screens are identical to the 1st section of the Backup Database, Section 10-3. We will use this function for reducing Database size after some time. This is like compressing the database to save space and make it more efficient. It is highly recommended to perform Compact/Repair once in a month or few months.

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10.7 Auto Compact/Repair Database

User can schedule an Automatic Compact/Repair to the Database. This will decrease Database size after it was used for some time. The frequency and time can be set. We highly recommend performing
periodical Compact/Repair to the Database. Frequency depends on the size of Database and pace of growing.

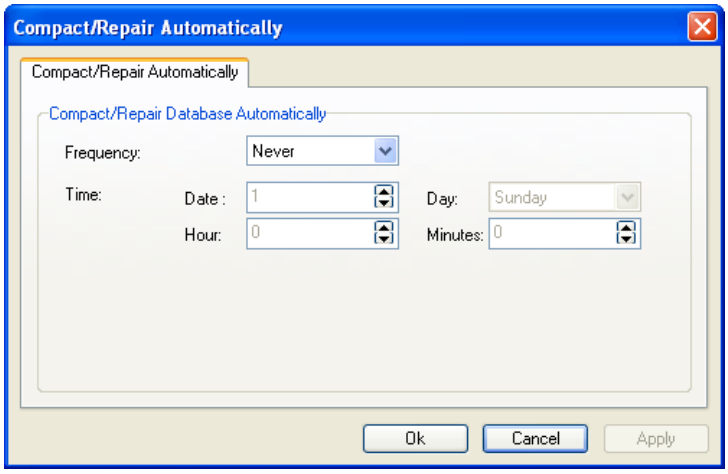

Figure 10-12

Chapter 11 Tools

11.1 Export Events Automatically

Sphinx 4 provided a powerful module which can run separately and export all card events.

The exporting is needed mainly for 3rd party software like building management or T&A which would need to have the access control events. The exporting is performed by creating "Tasks".

Each task is creating a different exported file with info as user has defined. Once clicking on Tools -> Export Events Automatically the screen in Figure 11-1 will be opened.

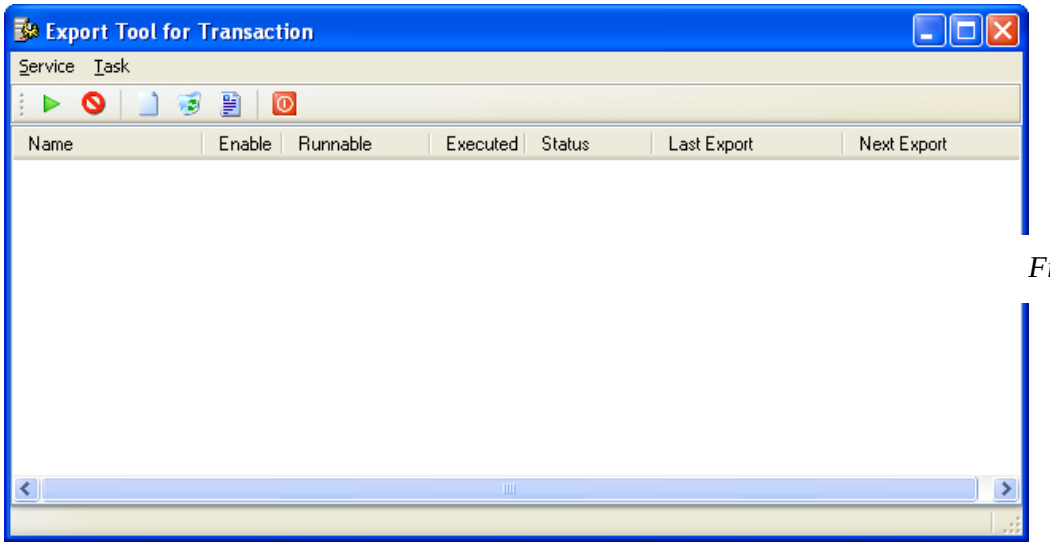

Figure 11-1

Name – Exporting task name

Enable – Tasks is saved and enabled, running or scheduled to be running.

Run able – Task was already executed in the past

Executed – Dis-Executing

Status – Status of the task.

Last Export – When was the last time the task was performing exporting.

Next Export – When is the next time the task will perform exporting.

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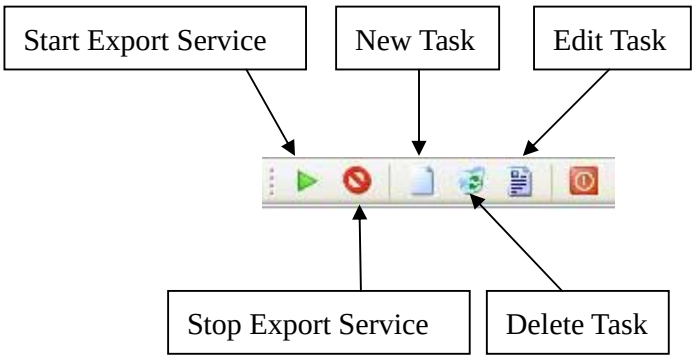


11.1.1 New Task

When clicking the New Task button the screen in Figure 11-2 will be opened

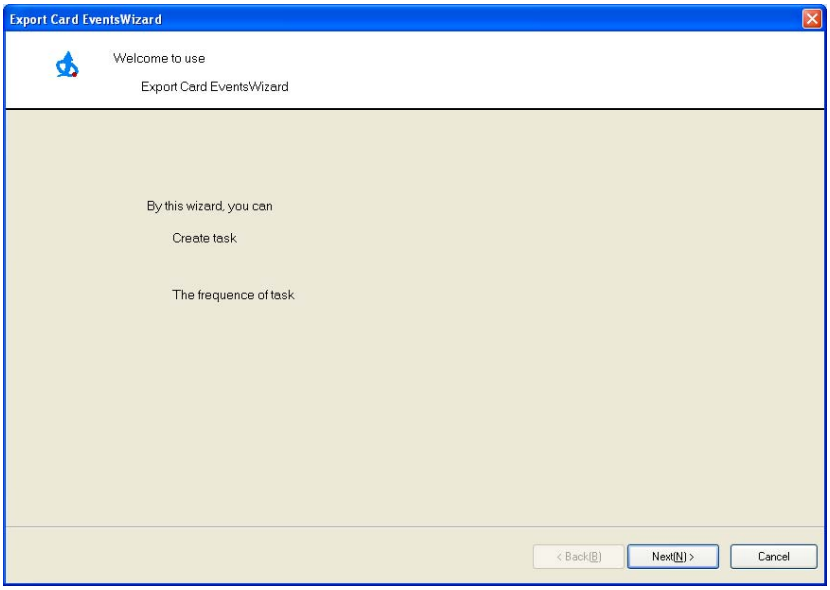


Figure 11-2

Click Next. The screen in Figure 11-3 will be opened.

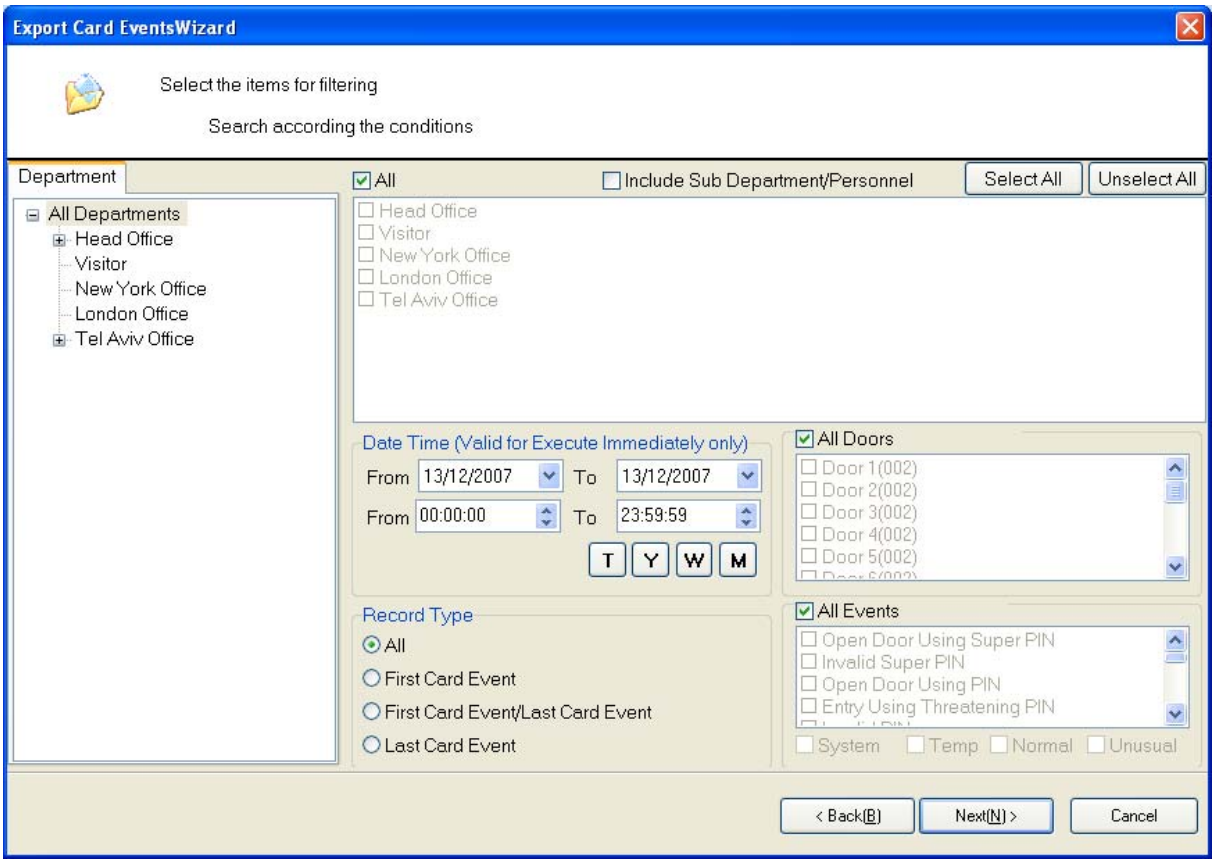
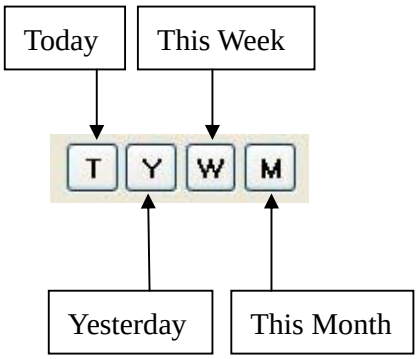


Figure 11-3



Select the Departments/Sub Departments/ Time Period/ Doors/ Record Type/Events that you would to export all relevant records, and click next. The screen in Figure 11-4 will be opened.

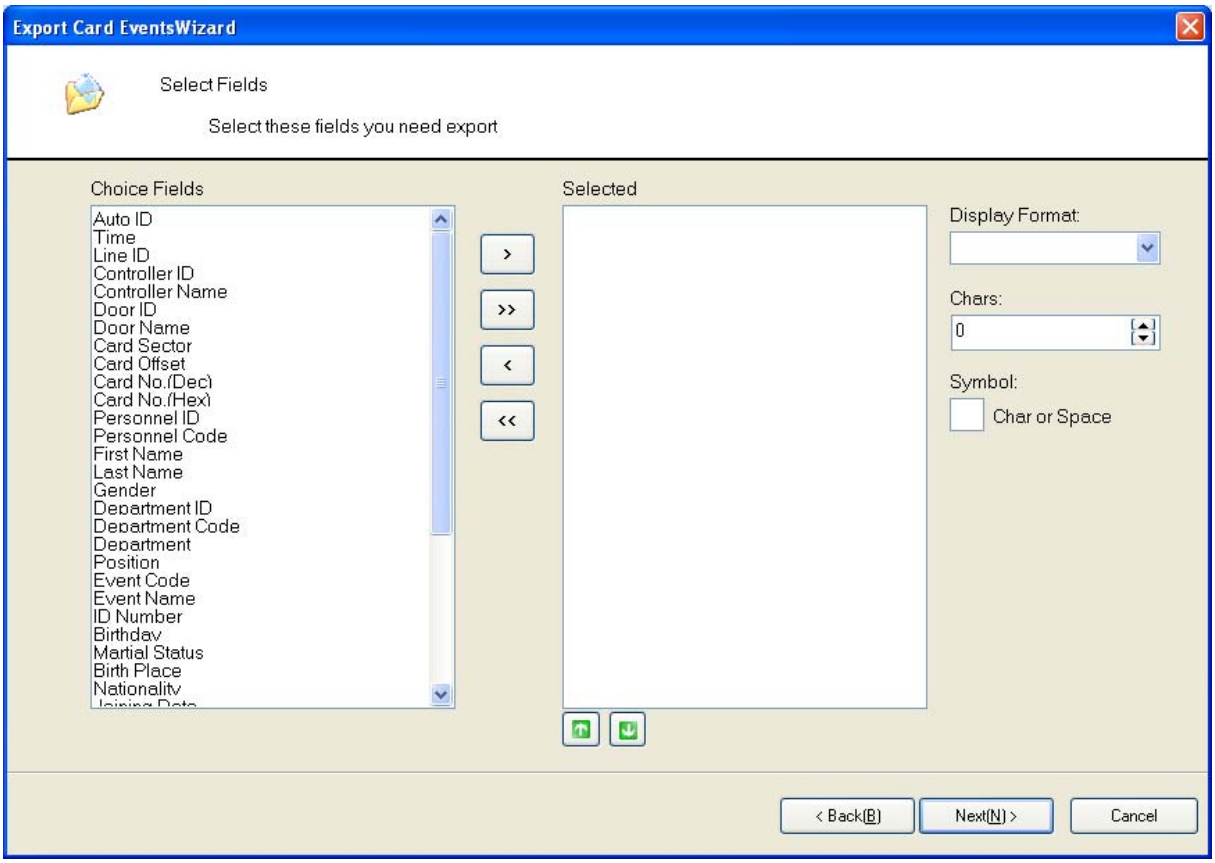


Figure 11-4

Select the Fields to be exported (or all fields). For each selected Field, the format can be set according to user needs. Clicking Next will open the screen in Figure 11-5

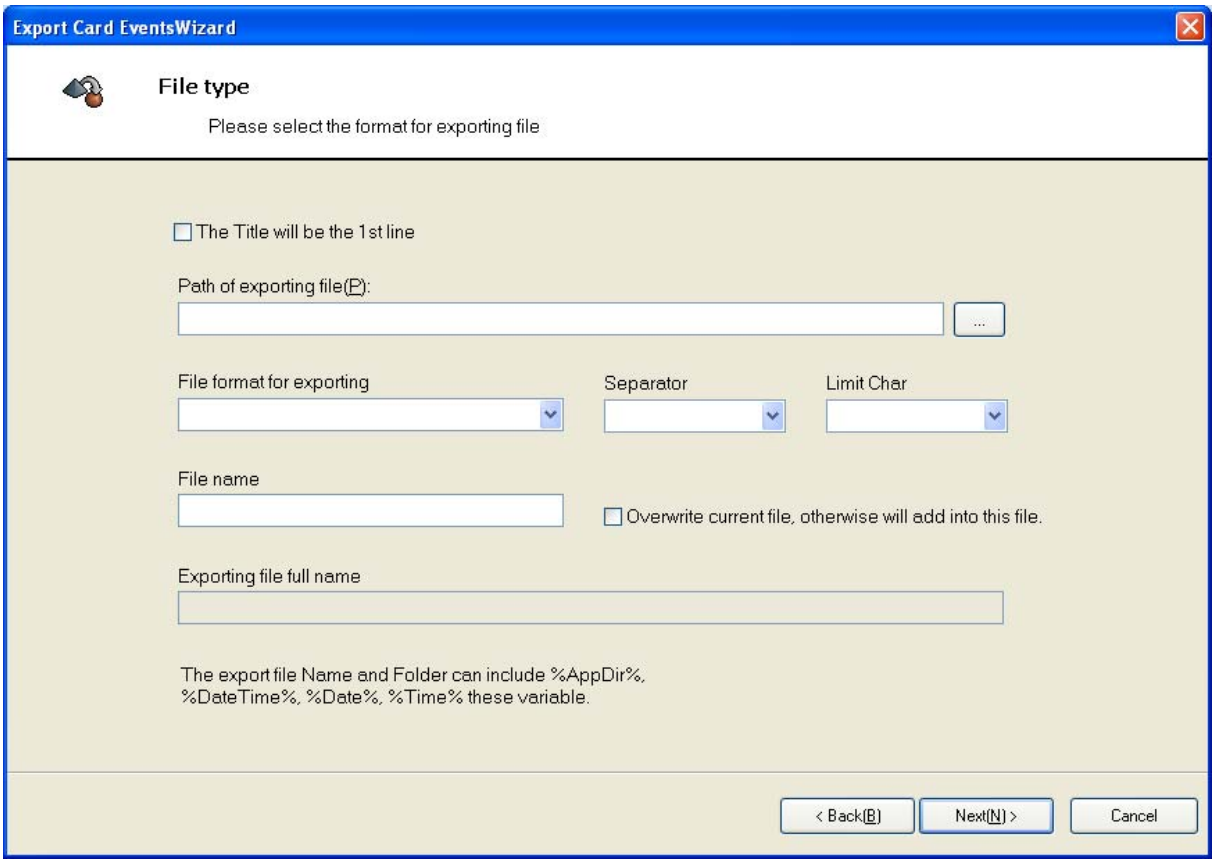

Export Card EventsWizard
File type
Please select the format for exporting file
The Title will be the 1st line
Path of exporting file(P):
...
File format for exporting
Separator
Limit Char
File name
Overwrite current file, otherwise will add into this file.
Exporting file full name
The export file Name and Folder can include %AppDir%, %DateTime%, %Date%, %Time% these variable.
< Back(B)
Next(N) >
Cancel

Figure 11-5

Tick the Title check box if you would like the fields name to be the first line in the file before the events.

Enter the path (folder) the exported file will be placed. Select the file format (MS-Excel, TXT, RTF, HTML etc.). Select the separator to separate between the different fields which were selected in Figure 11-4. Enter the File name and click Next. The screen in Figure 11-6 will be opened.

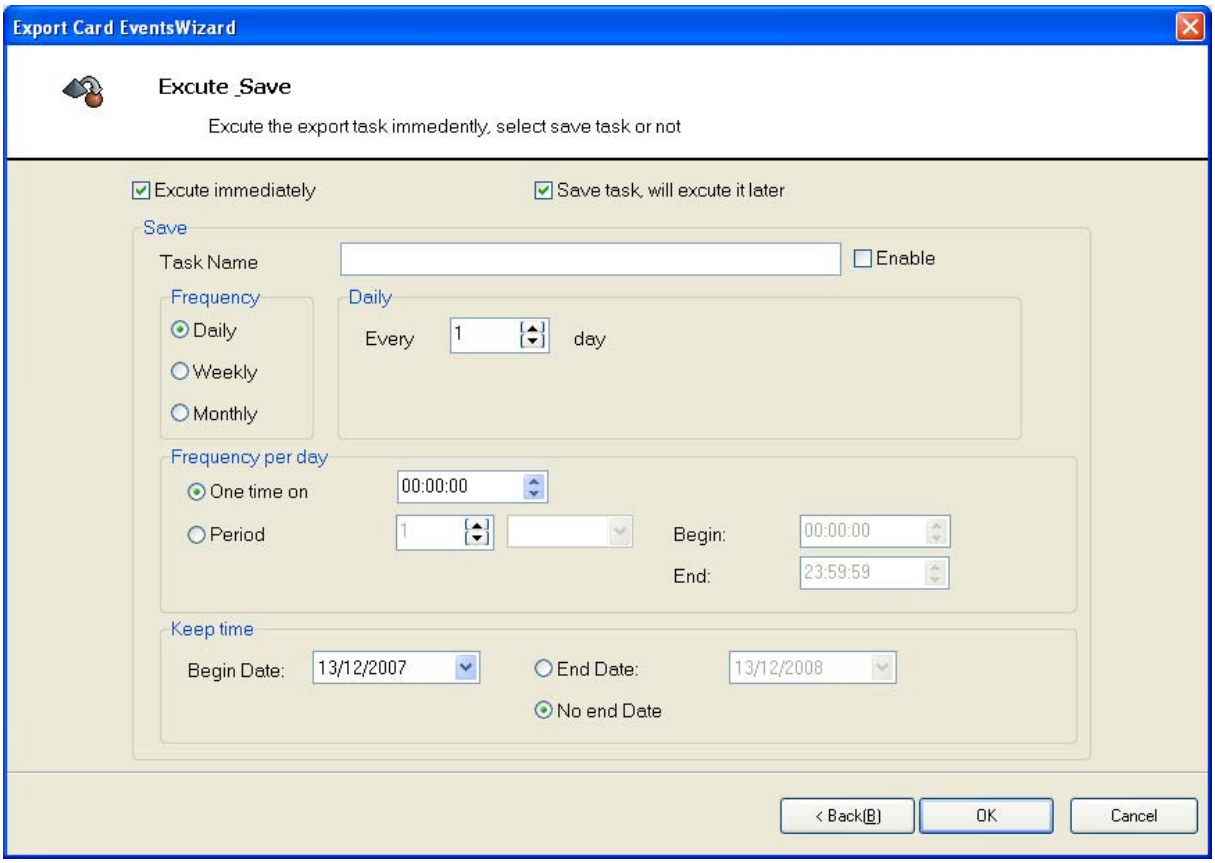


Figure 11-6

User can decide if the task should run immediately or scheduled for later. Set the task Name

And Enable it, if it should run. Set the Frequency to be Daily/Weekly/Monthly. Set the Daily frequency to be one time or periodically (as frequent as every minute). Keep Time will set if we limit the period of exporting to certain dates or infinite. Click OK and the screen in Figure 11-7 will be opened.

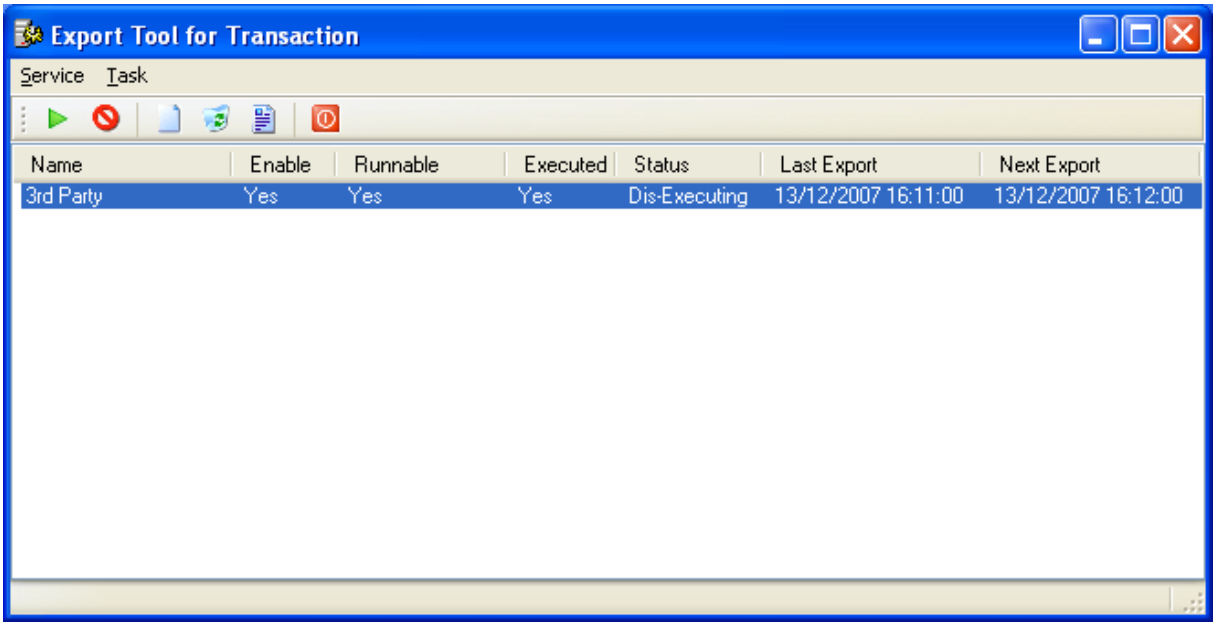


Figure 11-7

11.1.2 Delete Task

Delete the selected task.

11.1.3 Edit Task

Allows the user to edit the task details, as in Section 11.1.1.

11.2 Import from Excel

Sphinx 4 is allowing the user to import data from Excel file. The data can be taken from a 3rd party software like T&A software, Human Resources software or any list of data.
The data which can be imported is Personnel ID, First Name, Last Name, Identity, Gender, Card Number and Departments. Before you proceed with importing, it's highly recommended to backup the current Sphinx 4 Database. Select Tools -> Import from Excel and the screen in Figure 11-8 will be opened.

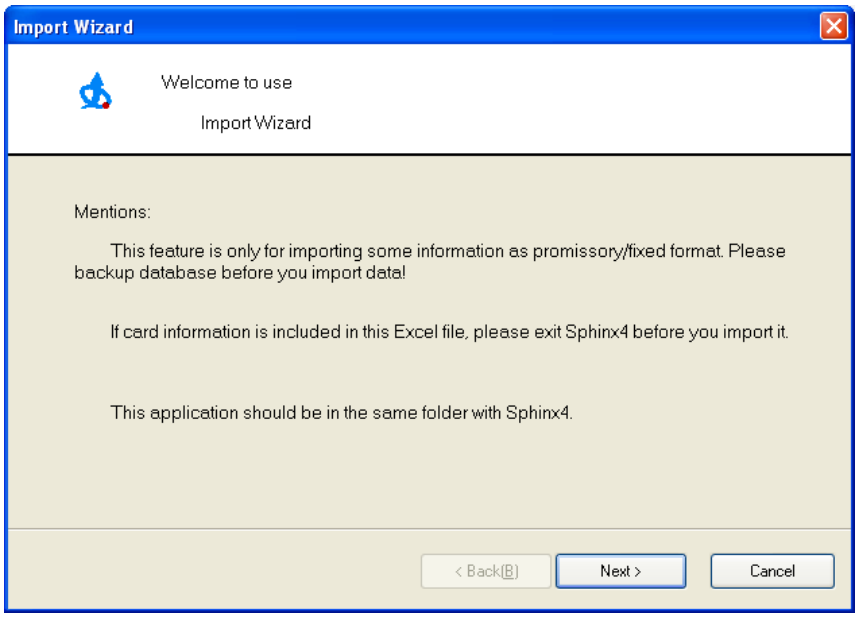

Import Wizard
Welcome to use
Import Wizard
Mentions:
This feature is only for importing some information as promissory/fixed format. Please backup database before you import data!
If card information is included in this Excel file, please exit Sphinx4 before you import it.
This application should be in the same folder with Sphinx4.
< Back(B)
Next >
Cancel

Figure 11-8

Read the comments carefully and click Next to Figure 11-9

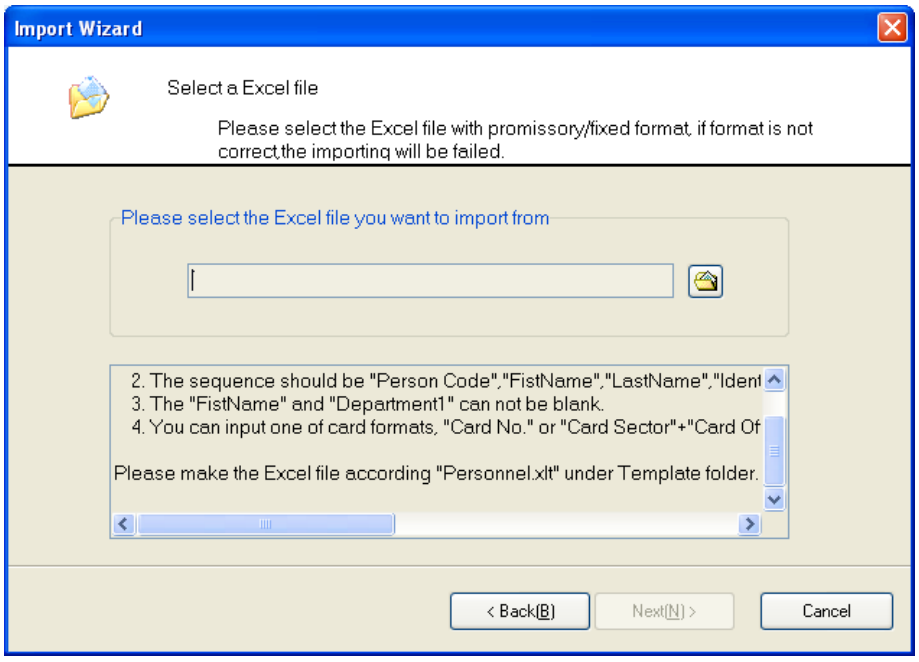

Import Wizard
Select a Excel file
Please select the Excel file with promissory/fixed format, if format is not correct,the importing will be failed.
Please select the Excel file you want to import from
2. The sequence should be "Person Code","FistName","LastName","Ident
3. The "FistName" and "Department1" can not be blank.
4. You can input one of card formats, "Card No." or "Card Sector"+"Card Of
Please make the Excel file according "Personnel.xlt" under Template folder.
< Back(B)
Next(N) >
Cancel

Figure 11-9

Read the comments carefully. Inside Sphinx 4 folder there is a folder named "Template",

inside it there is a MS-Excel Template file Personnel.xlt. Please open it and fill inside the information you would like to import to Sphinx 4 accordingly. Save the file (as Excel 97-2003 Workbook). Once it's ready select it as seen in Figure 11-10

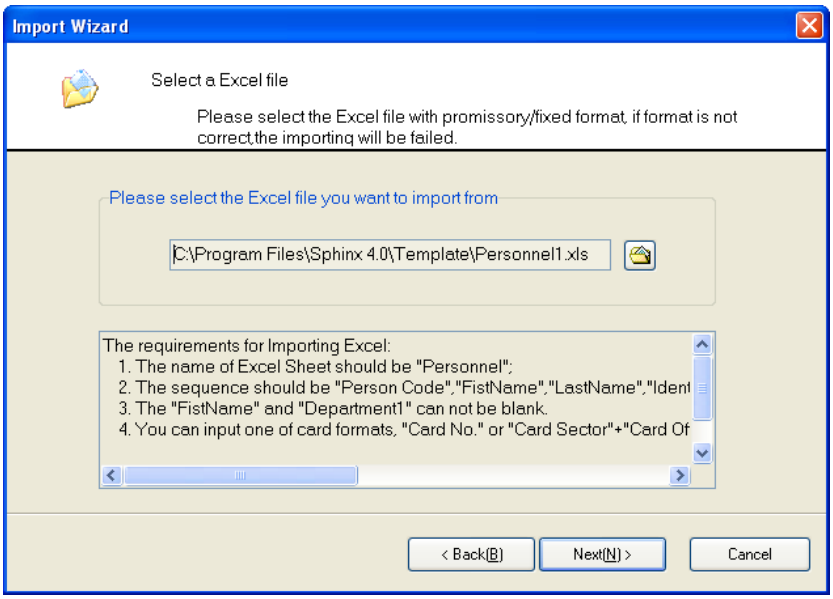

Import Wizard
Select a Excel file
Please select the Excel file with promissory/fixed format, if format is not correct,the importing will be failed.
Please select the Excel file you want to import from
C:\Program Files\Sphinx 4.0\Template\Personnel1.xls
The requirements for Importing Excel:
1. The name of Excel Sheet should be "Personnel";
2. The sequence should be "Person Code","FistName","LastName","Ident
3. The "FistName" and "Department1" can not be blank.
4. You can input one of card formats, "Card No." or "Card Sector"+"Card Of
< Back(B)
Next(N) >
Cancel

Figure 11-10

Click Next and in the next screen click OK. The screen in Figure 11-11 will be opened.

Import Wizard
Import
In order to ensure your data security, please backup database before you import data!
Start to import by clicking the "Start" button!
Importing Procedure
ImportExcel
Succeed to import all informations from the Excel file, please check it in Sphinx4.
OK
< Back(B)
OK
Cancel

Figure 11-11

Click OK and Cancel to exit the Import Wizard. Verify that Sphinx 4 has imported the data.

11.3 Language Editor

11.3.1 Opening the Language for editing.

Sphinx 4 is a providing the user a powerful tool to independently translate Sphinx to its preferred language. The user can see the translation he is performing taking place immediately in the software.
It is highly recommended the user will back up the file "Language.mdb" which is in Sphinx 4 folder (in Program Files) in case user would like to restore the original language translation.

After the backup click Tools -> Language Editor and the screen in Figure 11-12 will be opened

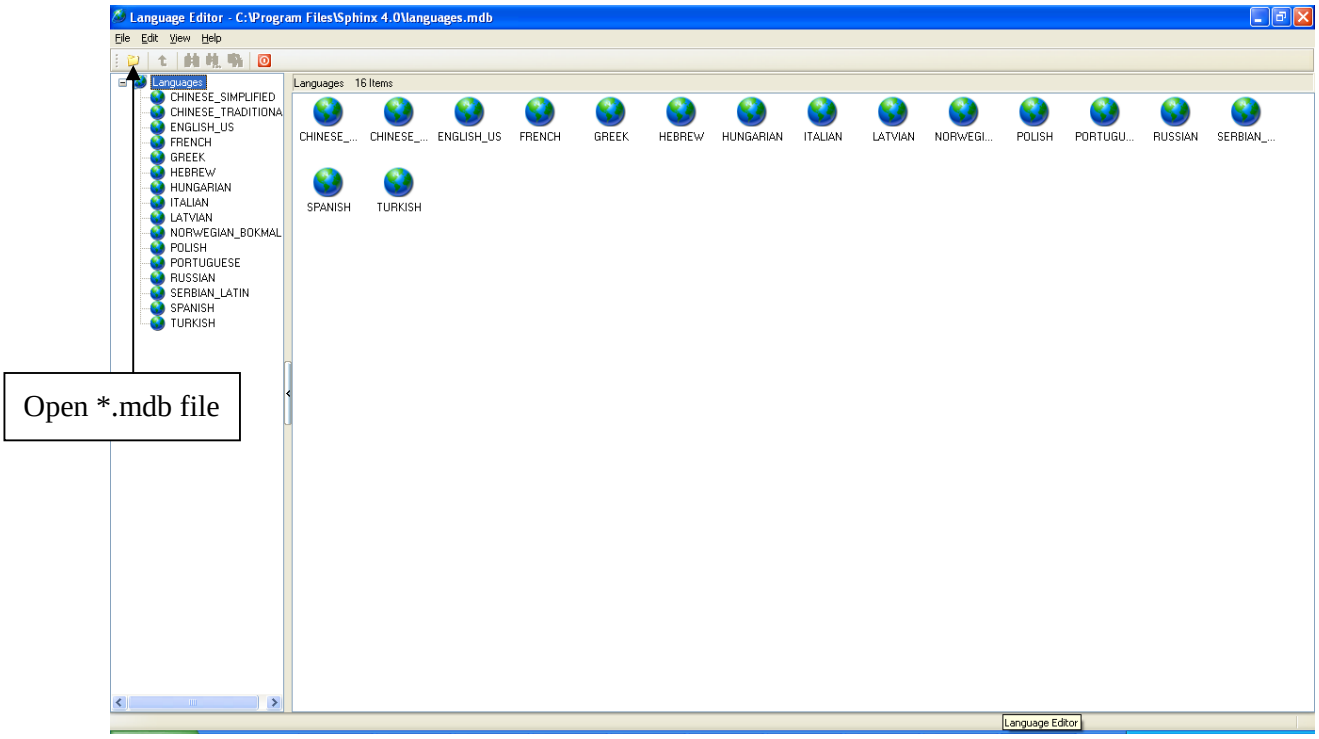


Figure 11-12

If you would like to load another language database (MS-Access DB), please click the "Load" and

select the *.mdb file you would like to work with. As default the Sphinx 4 "Language.mdb" will be opened. This is the languages database file I-CON is providing with all existing languages translation. Double click the globe of the language you would like to translate to. All translations are from English to the destination language. In this example for simplicity reasons we will demonstrate how to work with Spanish translation (English to Spanish). Double clicking on the Spanish Globe icon will open the screen in Figure 11-13.

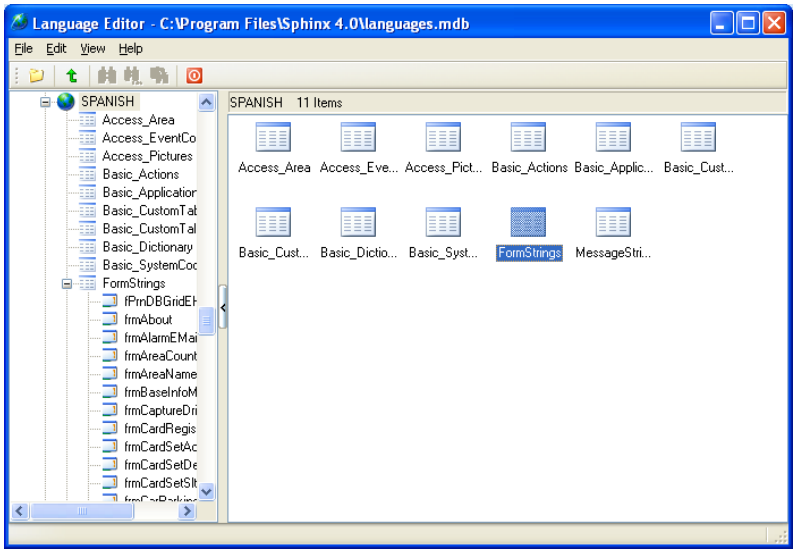


Figure 11-13

There are totally 11 tables holding the words of Sphinx 4 to be translated. Most of the words and terms are in the "FormStings" and "MessageString" tables. "FormStrings" holds most of the words which are presented in Sphinx 4 forms like Figure 11-11 (windows, menus, dialog boxes, etc.). In "FormStrings" there are all the Sphinx 4 software messages like in Figure 11-14

Figure 11-14

It is recommended to begin with "FormStrings" table since it is the massive and most systematic. Double click "FormStrings" and the screen in Figure 11-15 will be opened.

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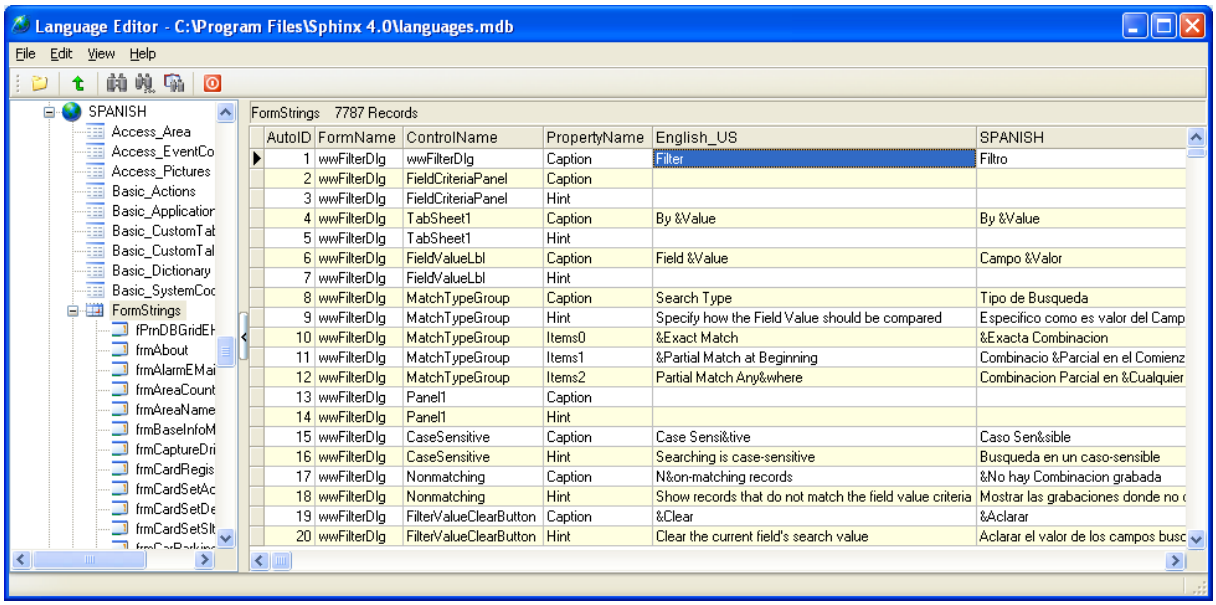
Language Editor - C:\Program Files\Sphinx 4.0\languages.mdb
File Edit View Help
SPANISH
Access_Area
Access_EventCo
Access_Pictures
Basic_Actions
Basic_Applicatior
Basic_CustomTat
Basic_CustomTal
Basic_Dictionary
Basic_SystemCoc
FormStrings
fPrnDBGridEH
frmAbout
frmAlarmEMai
frmAreaCount
frmAreaName
frmBaseInfoM
frmCaptureDri
frmCardRegis
frmCardSetAc
frmCardSetDe
frmCardSetSh
FormStrings 7787 Records
AutoID FormName ControlName PropertyName English_US SPANISH
1 wwFilterDlg wwFilterDlg Caption Filter Filtro
2 wwFilterDlg FieldCriteriaPanel Caption
3 wwFilterDlg FieldCriteriaPanel Hint
4 wwFilterDlg TabSheet1 Caption By &Value By &Value
5 wwFilterDlg TabSheet1 Hint
6 wwFilterDlg FieldValueLbl Caption Field &Value Campo &Valor
7 wwFilterDlg FieldValueLbl Hint
8 wwFilterDlg MatchTypeGroup Caption Search Type Tipo de Busqueda
9 wwFilterDlg MatchTypeGroup Hint Specify how the Field Value should be compared Especifico como es valor del Camp
10 wwFilterDlg MatchTypeGroup Items0 &Exact Match &Exacta Combinacion
11 wwFilterDlg MatchTypeGroup Items1 &Partial Match at Beginning Combinacio &Parcial en el Comienz
12 wwFilterDlg MatchTypeGroup Items2 Partial Match Any&where Combinacion Parcial en &Cualquier
13 wwFilterDlg Panel1 Caption
14 wwFilterDlg Panel1 Hint
15 wwFilterDlg CaseSensitive Caption Case Sensi&tive Caso Sen&sible
16 wwFilterDlg CaseSensitive Hint Searching is case-sensitive Busqueda en un caso-sensible
17 wwFilterDlg Nonmatching Caption N&on-matching records &No hay Combinacion grabada
18 wwFilterDlg Nonmatching Hint Show records that do not match the field value criteria Mostrar las grabaciones donde no
19 wwFilterDlg FilterValueClearButton Caption &Clear &Aclarar
20 wwFilterDlg FilterValueClearButton Hint Clear the current field's search value Aclarar el valor de los campos busc

Figure 11-15

As can be seen on the left hand of Figure 11-15, FormStrings table is made of smaller tables. Usually it will be easier to work with FormStrings list of terms and not each one of the smaller tables.

11.3.2 Editing Functions

The language tool provides several Locate Value/Replace/Filter tools which were explained in Section 9.1.

Clicking will open the screen in Figure 11-16 which allows us to Locate Values in the tables.

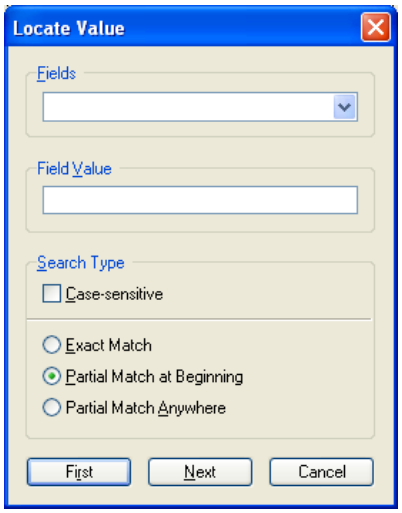

Figure 11-16

Clicking will open the screen in Figure 11-17 which allows to systematically Search and Replace values.

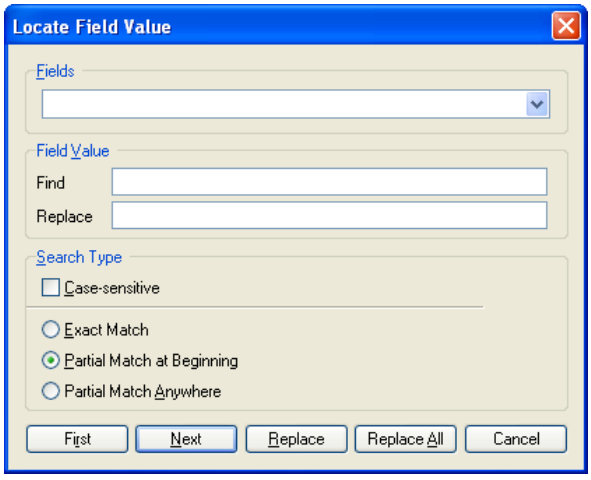

Figure 11-17

Clicking will open the screen in Figure 11-18 which allows Filtering a column to a certain value (or values with common letters).

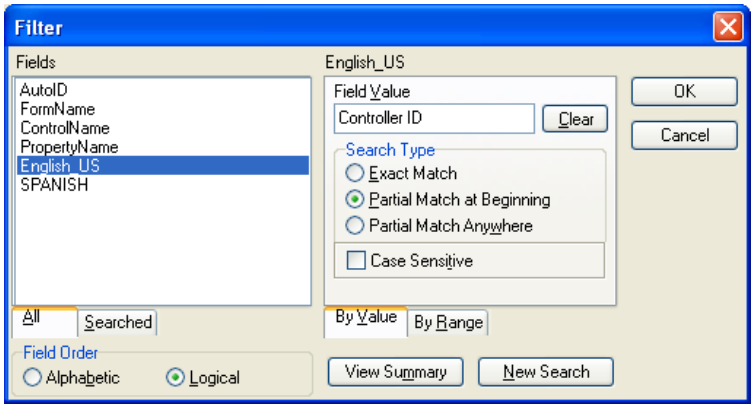

Figure 11-18

Filtering the "English US" to "Controller ID" will result in the screen of Figure 11-19

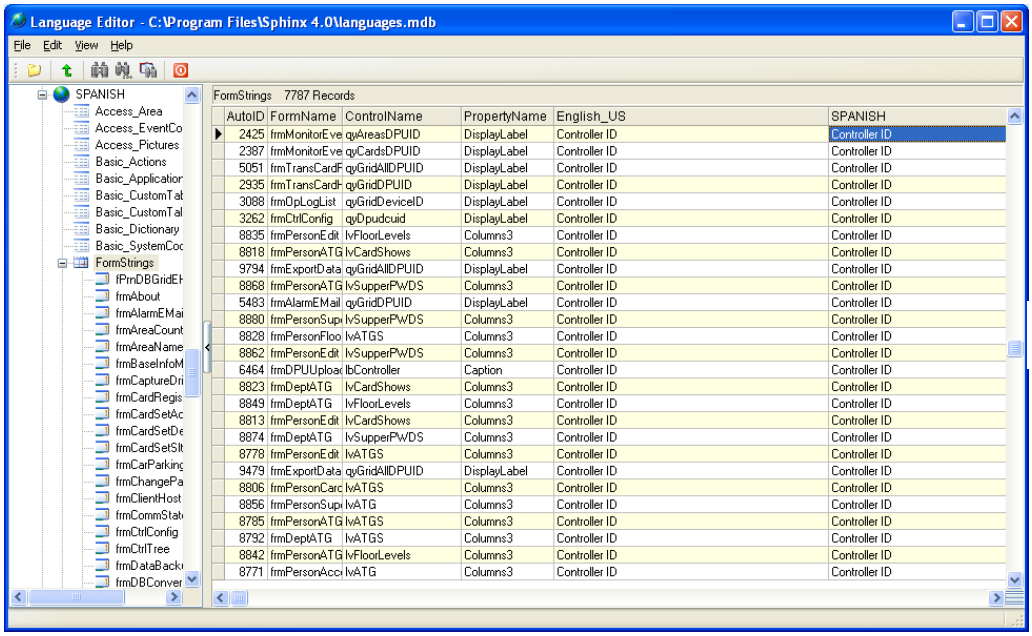
Language Editor - C:\Program Files\Sphinx 4.0\languages.mdb
File Edit View Help
FormStrings 7787 Records
AutoID FormName ControlName PropertyName English_US SPANISH

Figure 11-19

Using the "Locate Field Value" as in Figure 11-20 and clicking Replace All

Can change all the English terms "Controller ID" to the Spanish translation "ID del Controlador" (Figure 11-21)

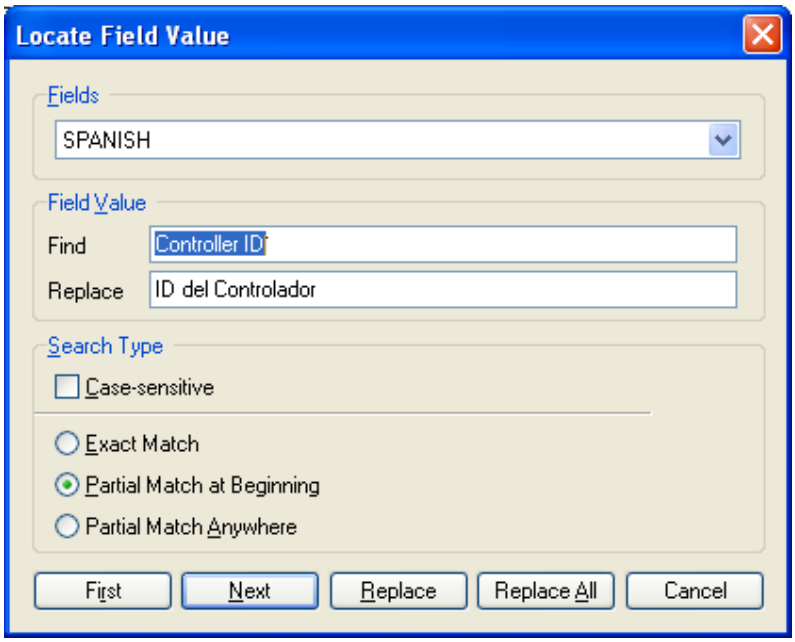

Figure 11-20

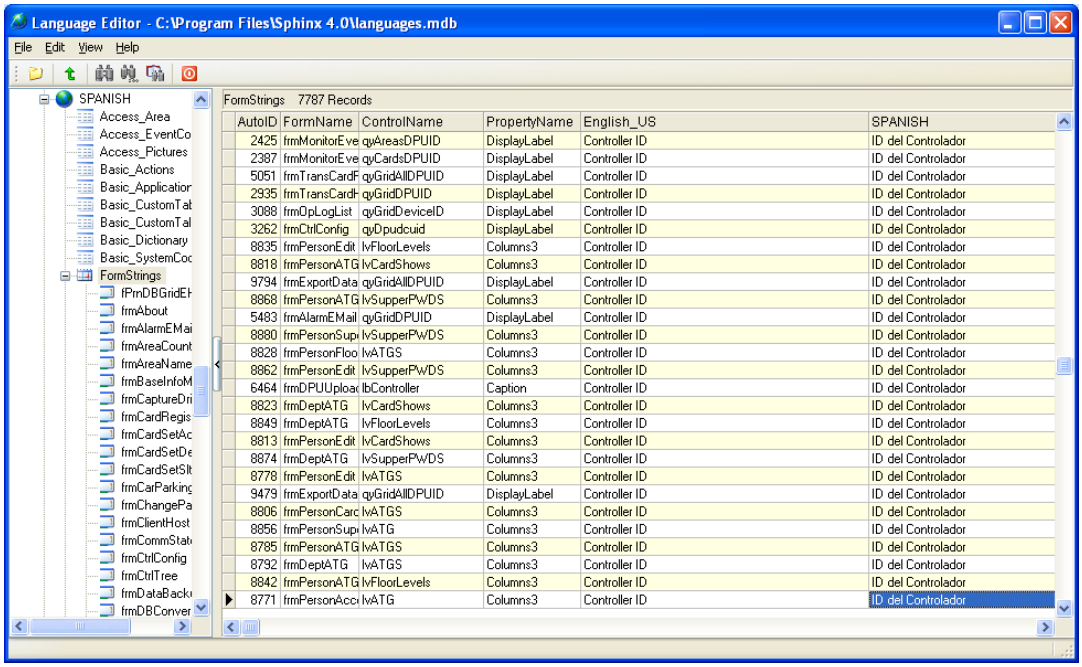
Language Editor - C:\Program Files\Sphinx 4.0\languages.mdb
File Edit View Help
SPANISH
FormStrings 7787 Records
AutoID FormName ControlName PropertyName English_US SPANISH

Figure 11-21

Sphinx 4 has many terms which are repeating themselves many times. In the example above we can see how using the tools of Locate Value/Filter/Locate Field Value can allow the user save much time and effort.

While performing the translation it's easy to identify the repeating words and terms and replace

them automatically.

Once user has finished the translation, he can Output it (File->Output). E-mailing the Output file (.udl) will allow I-CON to provide the next release of Sphinx 4 with the new translation provided by the user. This way the translation will become default in every Sphinx 4 installation.

11.3.3 File Menu

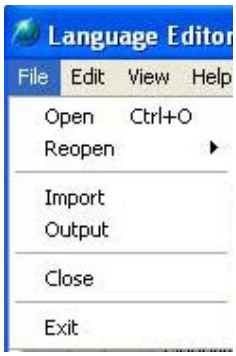

Figure 11-22

11.3.3.1 Open

Was described in Section 11.3.1

11.3.3.2 Import

Allows the user to import languages from a language DB file. Unlike the "File-> Open" which opens the entire language DB in the language editor, the "File -> Import" allows the user to import only specific languages. Click File -> Import and the following screen will be opened

Genie CCTV Ltd
CCTV House, City Park, Watchmead, Welwyn Garden City, Hertfordshire,
AL7 1LT, United Kingdom
Tel: +44 (0)1707 330541 Fax: +44 (0)1707 330543 Website: www.genieaccess.com

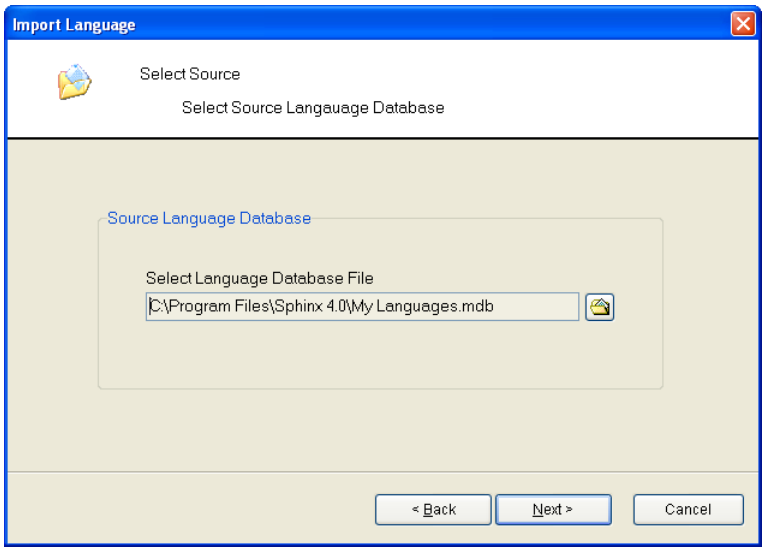

Figure 11-23

Browse to the *.mdb file you would like to import languages from and click Next.
The following screen will be opened.

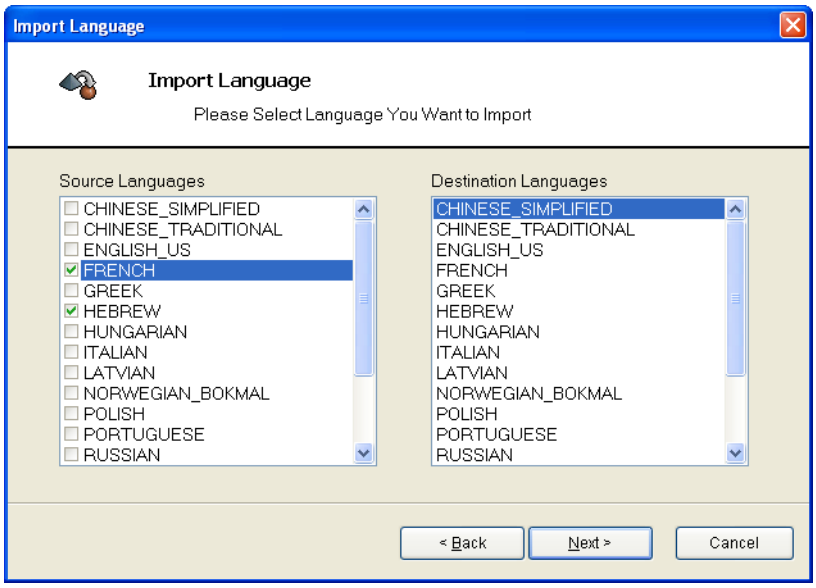

Figure 11-24

Tick the languages you would like to import from the browsed .mdb file to your existing .mdb file (default is language.mdb) you are working with. Click Next. If the importation was performed successfully, a message will appear for each of the imported languages.

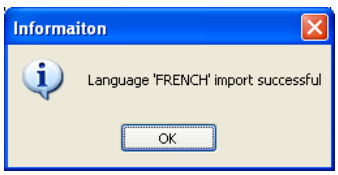

Figure 11-25

Figure 11-26

Please note, Importing the languages added them to Language.mdb file which in Sphinx 4 folder. However, to complete the implementation of the new languages to Sphinx 4, please Output (Export) the imported languages to the database of Sphinx 4 (Section 11.3.3.3).

11.3.3.3 Output (Export)

Once user finishes the translation of a language, user needs to perform "Output" (Export). Some Sphinx 4 items like "Area Name: will be translated only after "Output" is performed.
The "Output" will modify the Sphinx 4 Database with changes performed over the Language Database (Language.msb) through the "Language Editor".

MS ACCESS Database:
Browse to the Database link you would like to output to (Figure 11-27).

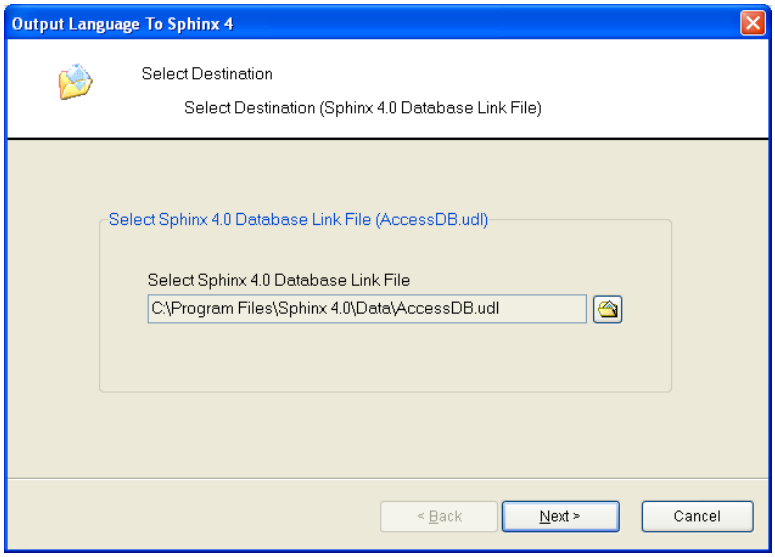
Output Language To Sphinx 4
Select Destination
Select Destination (Sphinx 4.0 Database Link File)
Select Sphinx 4.0 Database Link File (AccessDB.udl)
Select Sphinx 4.0 Database Link File
C:\Program Files\Sphinx 4.0\Data\AccessDB.udl
< Back
Next >
Cancel

Figure 11-27

Click Next and tick the languages you would like to Output (Figure 11-28)

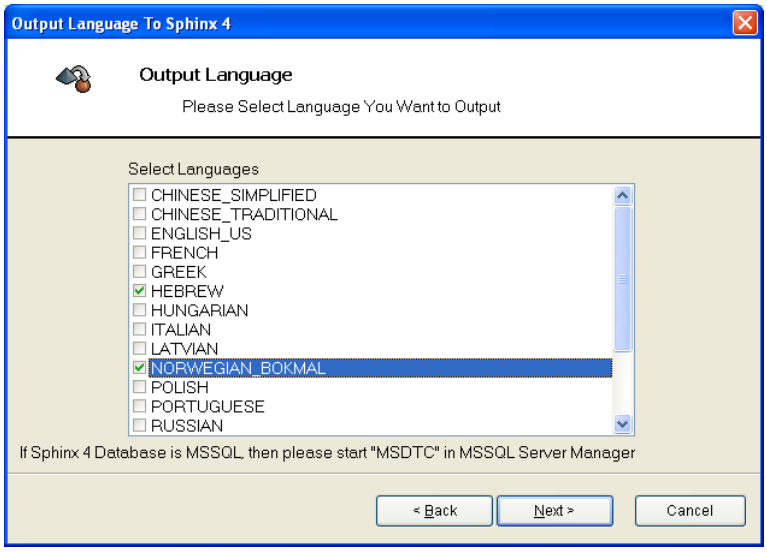

Figure 11-28

Click Next and if Output was performed successfully a message will appear for each language that Was Output (Figure 11-29).

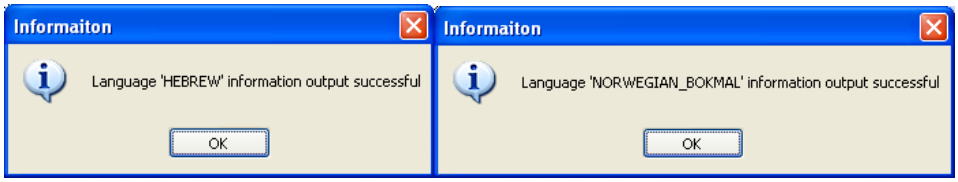

Figure 11-29

MS SQL Database:

If sphinx4 database is MS-SQL, then please use "MSDTC" in MS-SQL Server manger.

For this feature, please use a complete MS SQL database and not MSDE only.

11.3.4 Edit

Add - User can add a new Language by clicking Edit -> Add Language. The screen in Figure 11-30 will be opened.

Genie CCTV Ltd
CCTV House, City Park, Watchmead, Welwyn Garden City, Hertfordshire,
AL7 1LT, United Kingdom
Tel: +44 (0)1707 330541 Fax: +44 (0)1707 330543 Website: www.genieaccess.com

Figure 11-30

In the example above we add Latin American Spanish language in addition to the existing Spanish (European) Sphinx 4 provides. This will allow users to customize their Spanish. **Initialization Column** will put the English words as the initial translation in the Spanish_Latina column (in the translation tables). This is highly recommended, so the user can do automatic Search & Replace by Searching the English word on this column and replace it with the Spanish translation.

Once restarting Sphinx 4 the new language will be listed in the Language menu and can be selected (Figure 11-31).

Figure 11-31

Genie CCTV Ltd
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AL7 1LT, United Kingdom
Tel: +44 (0)1707 330541 Fax: +44 (0)1707 330543 Website: www.genieaccess.com

Delete Language – Deleting the language.
Language Properties (Edit Language) – Editing the language.

11.4 Import Data From Sphinx 3 Database

Sphinx 4 allows importing older versions of Sphinx 3 (3.0.1.7-3.0.2.2) into the Database of Sphinx 4. This strong function allows the user to upgrade existing installation/projects from Sphinx 3 software to the enhanced Sphinx 4. The following information will be imported: Controllers List (with default parameters), Cards List, Personnel List, Department List.

It is strongly recommended user will backup the Sphinx 4 Database before upgrade.
Clicking Tools -> Import Data From Sphinx 3 Database will open the window in Figure 11-32. Read carefully the instructions and browse to the Sphinx 3 Database you would like to import.

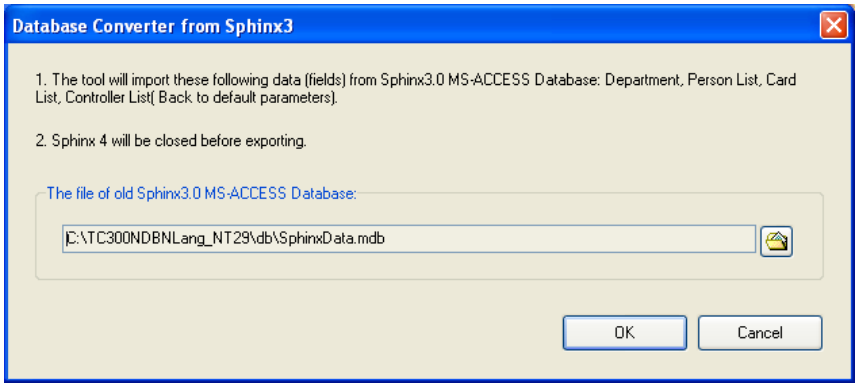
Database Converter from Sphinx3
1. The tool will import these following data (fields) from Sphinx3.0 MS-ACCESS Database: Department, Person List, Card List, Controller List(Back to default parameters).
2. Sphinx 4 will be closed before exporting.
The file of old Sphinx3.0 MS-ACCESS Database:
C:\TC300NDBNLang_NT29\db\SphinxData.mdb
OK
Cancel

Figure 11-32

Click "OK". If importation was successful the message in Figure 11-33 will appear

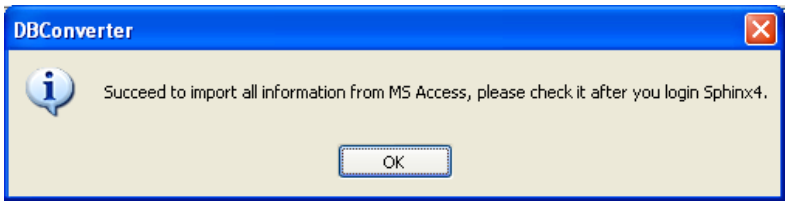

Figure 11-33

Click "OK" and "Cancel" in the screen of Figure 11-32. Sphinx 4 was closed during the process of Database importing. Run Sphinx 4 again and verify the data was imported.

11.5 Web/Digital Camera

Sphinx 4 allows taking pictures of Personnel or Visitors using the web camera or Digital camera. Clicking Tools-> Capture Tool will open the window in Figure 11-34. User can take photos which will be stored in the "Photo" folder inside the folder of Sphinx 4.

User can also setup the camera, adjusting its parameters.
Before you can use this feature, please make sure the camera is connected to the PC and camera driver is already installed and operating.

Figure 11-34

Click the "Capture" for capturing the photo seen.

Chapter 12 Window

12.1 Multi View

One of the most popular views is the multi view which shows the 3 windows of: Controller Manager, Multi Site View (Maps), Events Monitor (Figure 12-1).

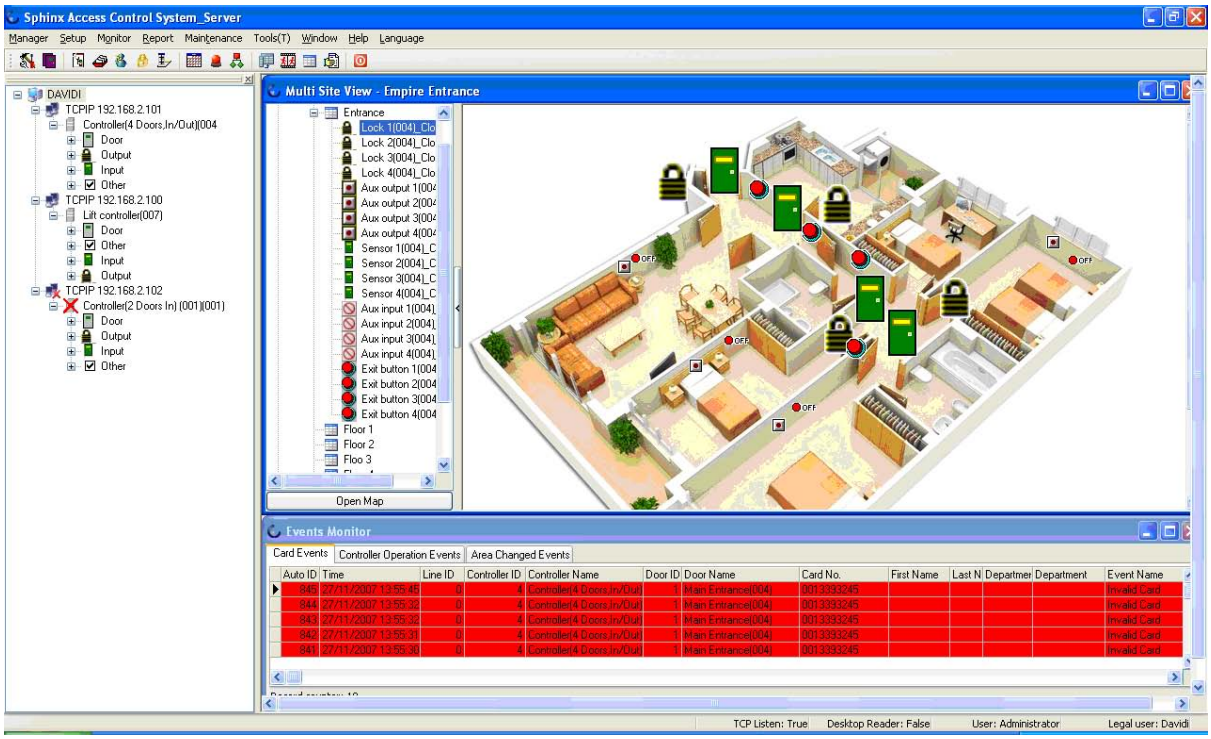

Figure 12-1

12.2 Cascade

Cascading all Sphinx 4 windows (Figure 12-2).

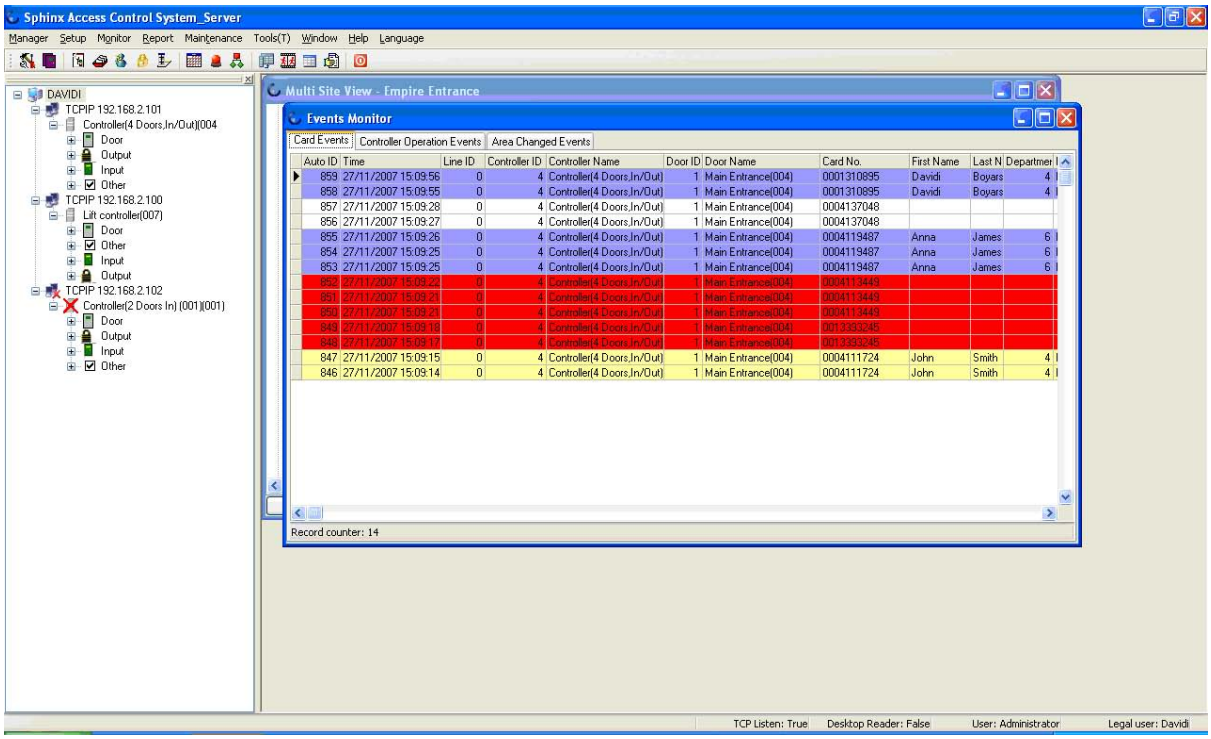
Sphinx Access Control System_Server
Manager Setup Monitor Report Maintenance Tools(T) Window Help Language
DAVIDI
TCPIP 192.168.2.101
Controller(4 Doors,In/Out)(004
Door
Output
Input
Other
TCPIP 192.168.2.100
Lift controller(007)
Door
Other
Input
Output
TCPIP 192.168.2.102
Controller(2 Doors In) (001)(001)
Door
Output
Input
Other
Multi Site View - Empire Entrance
Events Monitor
Card Events
Controller Operation Events
Area Changed Events
Auto ID Time Line ID Controller ID Controller Name Door ID Door Name Card No. First Name Last N Departmer
859 27/11/2007 15:09:56 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0001310895 Davidi Boyars 4
858 27/11/2007 15:09:55 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0001310895 Davidi Boyars 4
857 27/11/2007 15:09:28 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004137048
856 27/11/2007 15:09:27 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004137048
855 27/11/2007 15:09:26 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004119487 Anna James 6
854 27/11/2007 15:09:25 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004119487 Anna James 6
853 27/11/2007 15:09:25 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004119487 Anna James 6
852 27/11/2007 15:09:22 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004113449
851 27/11/2007 15:09:21 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004113449
850 27/11/2007 15:09:21 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004113449
849 27/11/2007 15:09:18 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0013393245
848 27/11/2007 15:09:17 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0013393245
847 27/11/2007 15:09:15 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004111724 John Smith 4
846 27/11/2007 15:09:14 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004111724 John Smith 4
Record counter: 14
TCP Listen: True
Desktop Reader: False
User: Administrator
Legal user: Davidi

Figure 12-2

12.3 Tile Horizontally

Will tile all active windows horizontally (Figure 12-3).

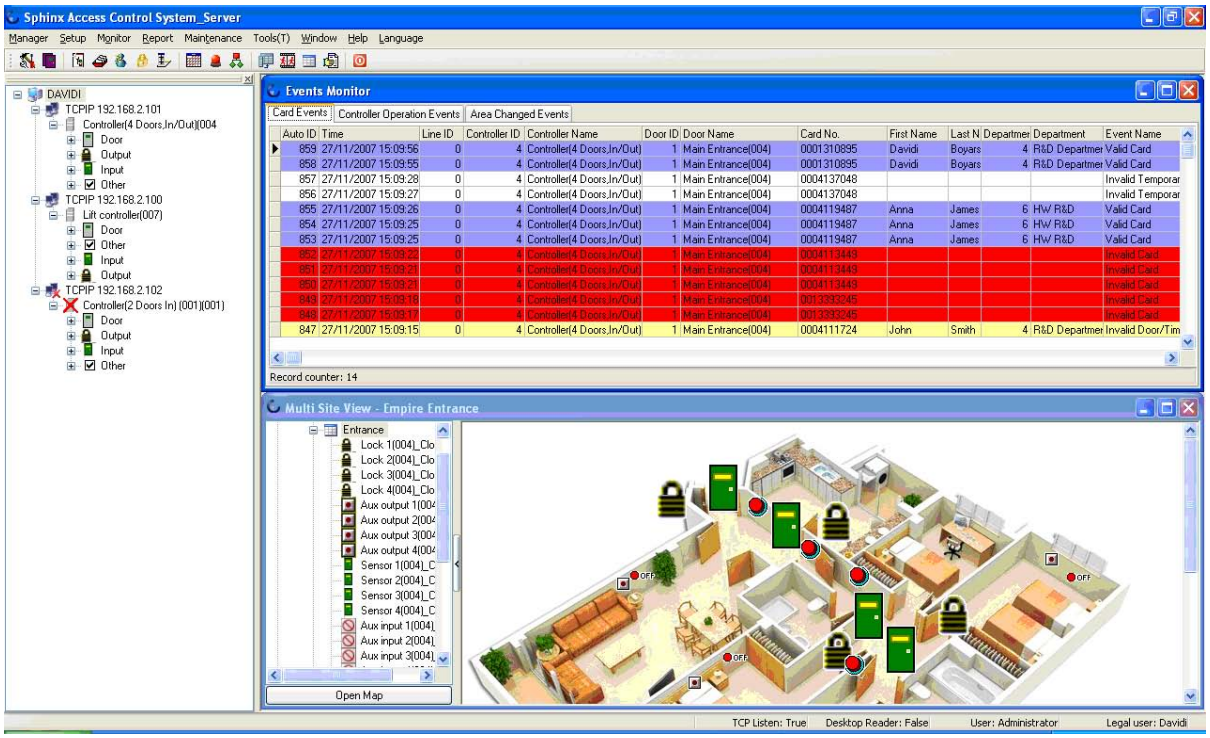
Sphinx Access Control System_Server
Manager Setup Monitor Report Maintenance Tools(T) Window Help Language
DAVIDI
TCPIP 192.168.2.101
Controller(4 Doors,In/Out)(004
Door
Output
Input
Other
TCPIP 192.168.2.100
Lift controller(007)
Door
Other
Input
Output
TCPIP 192.168.2.102
Controller(2 Doors In) (001)(001)
Door
Output
Input
Other
Events Monitor
Card Events
Controller Operation Events
Area Changed Events
Auto ID Time Line ID Controller ID Controller Name Door ID Door Name Card No. First Name Last N Departmer Department Event Name
859 27/11/2007 15:09:56 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0001310895 Davidi Boyars 4 R&D Departmer Valid Card
858 27/11/2007 15:09:55 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0001310895 Davidi Boyars 4 R&D Departmer Valid Card
857 27/11/2007 15:09:28 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004137048 Invalid Temporar
856 27/11/2007 15:09:27 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004137048 Invalid Temporar
855 27/11/2007 15:09:26 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004119487 Anna James 6 HW R&D Valid Card
854 27/11/2007 15:09:25 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004119487 Anna James 6 HW R&D Valid Card
853 27/11/2007 15:09:25 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004119487 Anna James 6 HW R&D Valid Card
852 27/11/2007 15:09:22 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004113443 Invalid Card
851 27/11/2007 15:09:21 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004113443 Invalid Card
850 27/11/2007 15:09:21 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004113443 Invalid Card
849 27/11/2007 15:09:19 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0013333345 Invalid Card
848 27/11/2007 15:09:17 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0013333345 Invalid Card
847 27/11/2007 15:09:15 0 4 Controller(4 Doors,In/Out) 1 Main Entrance(004) 0004111724 John Smith 4 R&D Departmer Invalid Door/Tim
Record counter: 14
Multi Site View - Empire Entrance
Entrance
Lock 1(004)_Clo
Lock 2(004)_Clo
Lock 3(004)_Clo
Lock 4(004)_Clo
Aux output 1(004
Aux output 2(004
Aux output 3(004
Aux output 4(004
Sensor 1(004)_C
Sensor 2(004)_C
Sensor 3(004)_C
Sensor 4(004)_C
Aux input 1(004)
Aux input 2(004)
Aux input 3(004)
Open Map
OFF
OFF
OFF
TCP Listen: True
Desktop Reader: False
User: Administrator
Legal user: Davidi

Figure 12-3

12.4 Tile Vertically

Will tile all active windows vertically (Figure 12-4).

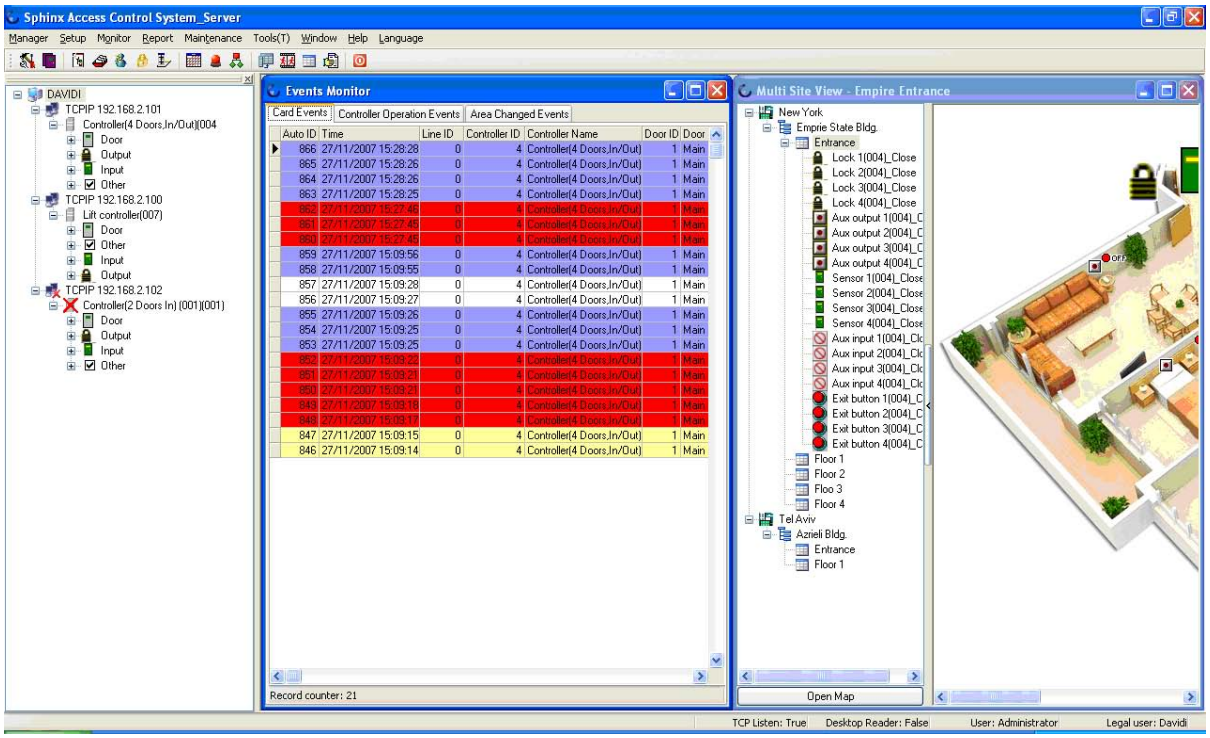
Sphinx Access Control System_Server
Manager Setup Monitor Report Maintenance Tools(T) Window Help Language
DAVIDI
TCPIP 192.168.2.101
Controller(4 Doors,In/Out)(004
Door
Output
Input
Other
TCPIP 192.168.2.100
Lift controller(007)
Door
Other
Input
Output
TCPIP 192.168.2.102
Controller(2 Doors In) (001)(001)
Door
Output
Input
Other
Events Monitor
Card Events
Controller Operation Events
Area Changed Events
Auto ID Time Line ID Controller ID Controller Name Door ID Door
866 27/11/2007 15:28:28 0 4 Controller(4 Doors,In/Out) 1 Main
865 27/11/2007 15:28:26 0 4 Controller(4 Doors,In/Out) 1 Main
864 27/11/2007 15:28:26 0 4 Controller(4 Doors,In/Out) 1 Main
863 27/11/2007 15:28:25 0 4 Controller(4 Doors,In/Out) 1 Main
862 27/11/2007 15:27:46 0 4 Controller(4 Doors,In/Out) 1 Main
861 27/11/2007 15:27:46 0 4 Controller(4 Doors,In/Out) 1 Main
860 27/11/2007 15:27:45 0 4 Controller(4 Doors,In/Out) 1 Main
859 27/11/2007 15:09:56 0 4 Controller(4 Doors,In/Out) 1 Main
858 27/11/2007 15:09:55 0 4 Controller(4 Doors,In/Out) 1 Main
857 27/11/2007 15:09:28 0 4 Controller(4 Doors,In/Out) 1 Main
856 27/11/2007 15:09:27 0 4 Controller(4 Doors,In/Out) 1 Main
855 27/11/2007 15:09:26 0 4 Controller(4 Doors,In/Out) 1 Main
854 27/11/2007 15:09:25 0 4 Controller(4 Doors,In/Out) 1 Main
853 27/11/2007 15:09:25 0 4 Controller(4 Doors,In/Out) 1 Main
852 27/11/2007 15:09:22 0 4 Controller(4 Doors,In/Out) 1 Main
851 27/11/2007 15:09:21 0 4 Controller(4 Doors,In/Out) 1 Main
850 27/11/2007 15:09:21 0 4 Controller(4 Doors,In/Out) 1 Main
849 27/11/2007 15:09:18 0 4 Controller(4 Doors,In/Out) 1 Main
848 27/11/2007 15:09:17 0 4 Controller(4 Doors,In/Out) 1 Main
847 27/11/2007 15:09:15 0 4 Controller(4 Doors,In/Out) 1 Main
846 27/11/2007 15:09:14 0 4 Controller(4 Doors,In/Out) 1 Main
Record counter: 21
Multi Site View - Empire Entrance
New York
Emprie State Bldg.
Entrance
Lock 1(004)_Close
Lock 2(004)_Close
Lock 3(004)_Close
Lock 4(004)_Close
Aux output 1(004)_C
Aux output 2(004)_C
Aux output 3(004)_C
Aux output 4(004)_C
Sensor 1(004)_Close
Sensor 2(004)_Close
Sensor 3(004)_Close
Sensor 4(004)_Close
Aux input 1(004)_Clc
Aux input 2(004)_Clc
Aux input 3(004)_Clc
Aux input 4(004)_Clc
Exit button 1(004)_C
Exit button 2(004)_C
Exit button 3(004)_C
Exit button 4(004)_C
Floor 1
Floor 2
Floo 3
Floor 4
Tel Aviv
Azrieli Bldg.
Entrance
Floor 1
Open Map
TCP Listen: True
Desktop Reader: False
User: Administrator
Legal user: Davidi

Figure 12-4

12.5 Minimize

Will minimize the opened windows.

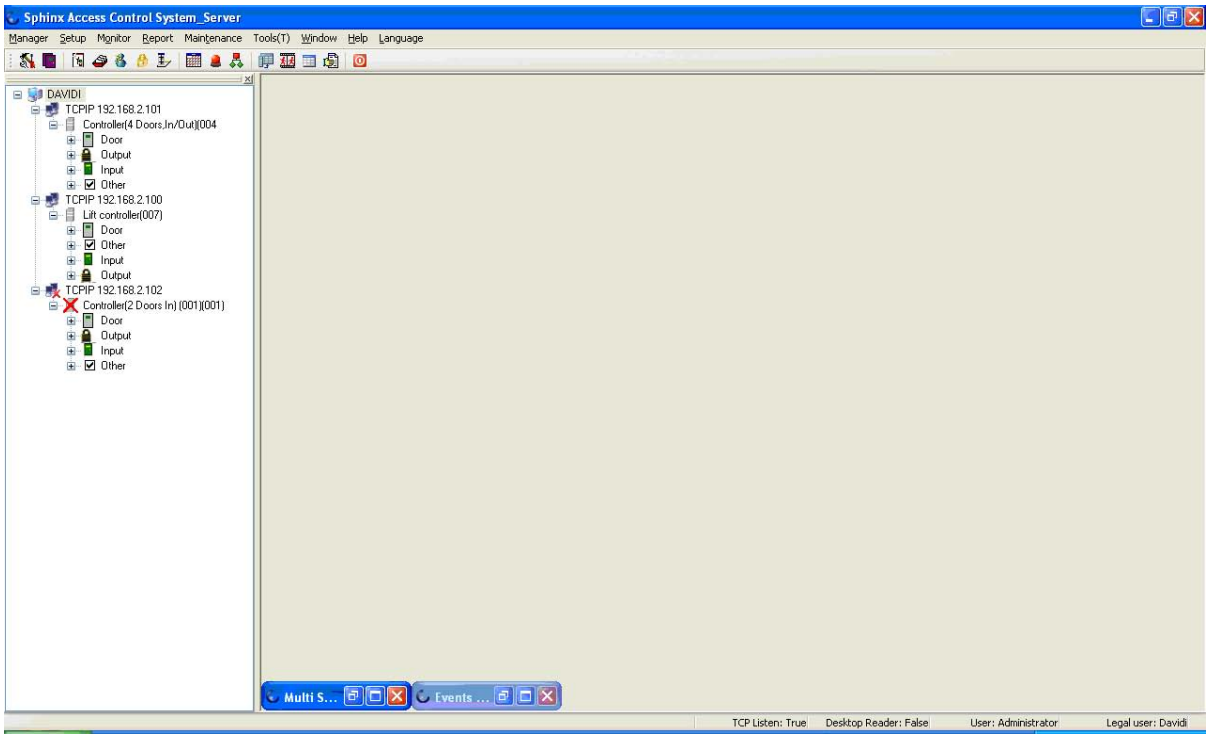

Figure 12-5

12.6 Remember Screen

If this option is checked, the next time Sphinx 4 will be restarted it will show the last screen before last exit. This is a quick way to always have the same screen the user is used to and prefer.

Chapter 13 Help

13.1 Help

The manual of Sphinx4 will appear.

13.2 Home Page

For future use.

13.3 On-line Update

For future use.

13.4 Registration Information

Will present the information of who this Sphinx 4 copy is registered to and what are the limits of its license (USB Dongle). The limit can be set to number of doors, clients etc. (Figure 13-1)

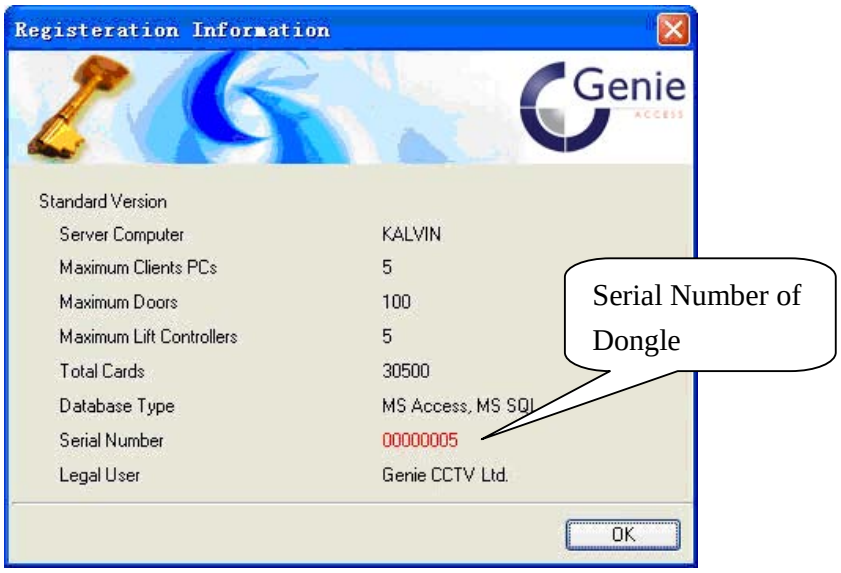

Figure 13-1

13.5 Re-Register

It is important to perform Re-Register for the end user, so the "Legal User" (Figure 13-1) will appear at the bottom of the main window (Figure 13-2). Accurate and updated "Legal User" is

needed for verifying you are holding a genuine and legal copy of Sphinx 4. It is

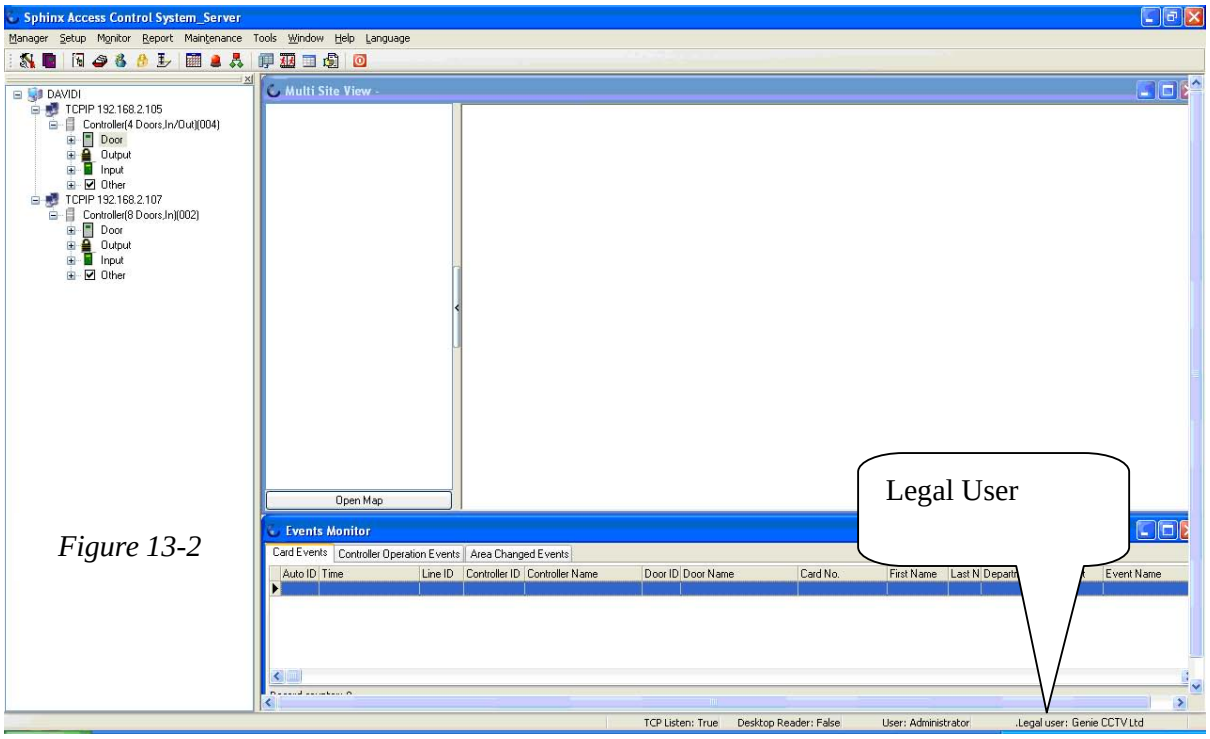

Figure 13-2

also needed for upgrading the Sphinx 4. I-CON and Sphinx 4 wisely upgrade the software license if needed. In case the user would like to upgrade the software license to control more doors, more clients PCs, have additional modules like CCTV, Intrusion etc., there is no need to replace the USB Dongle (physical) key. For upgrading the Sphinx 4 license user needs to provide I-CON some information. I-CON needs the USB dongle serial number and the Legal User name as seen in Help -> Registration Information (Figure 13-1). In the case above Serial Number is "00000005" and Legal User is "Security Professionals Ltd.". Later, I-CON will provide a "Registration Code" in the format
D6987808FE5F5A5A4E45952C096FBA
FC757FE8D758F6F85F415BEF64137E

Please Note: This one is not a real Registration Code, just an example. Please do not use it for Re-register. Please contact your supplier to provide you with a correct Registration Code.

Click Help -> Re-Register, enter the "Customer Name" exactly as provided to I-CON for receiving the "Registration Code" and the "Registration Code" (Figure 13-3). Clicking OK will upgrade the Sphinx 4 license to the needed license while keeping the existing USB Dongle .

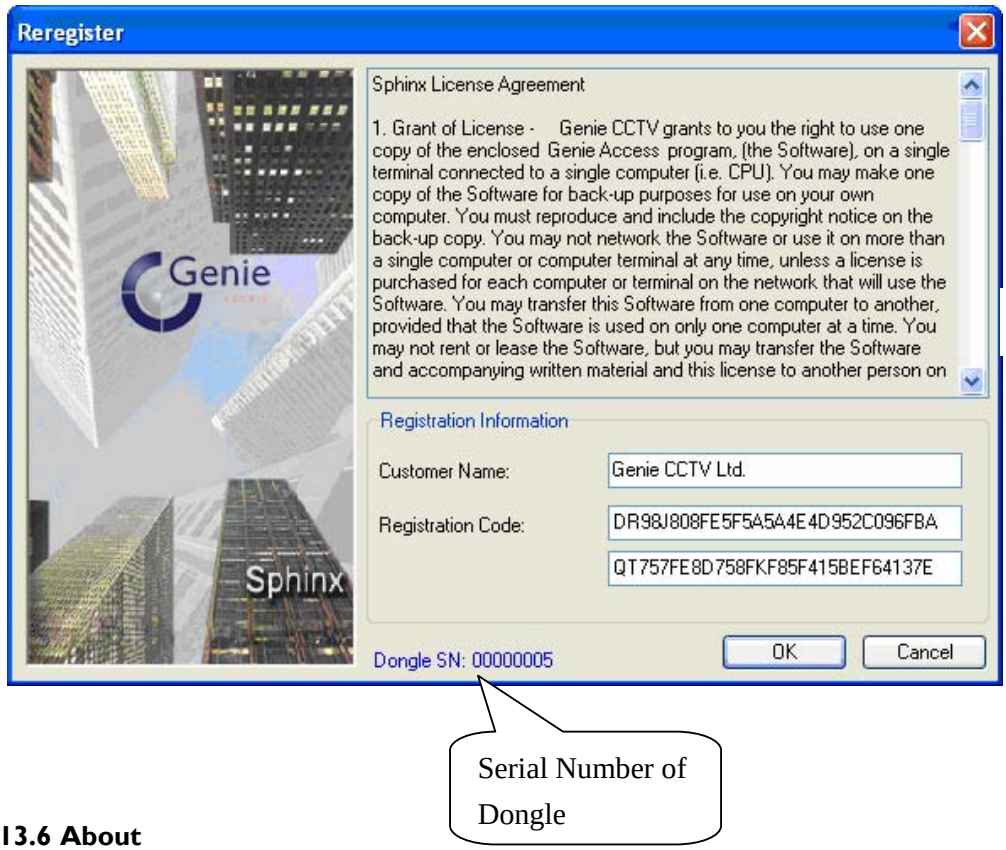
Reregister
Sphinx License Agreement
1. Grant of License - Genie CCTV grants to you the right to use one copy of the enclosed Genie Access program, (the Software), on a single terminal connected to a single computer (i.e. CPU). You may make one copy of the Software for back-up purposes for use on your own computer. You must reproduce and include the copyright notice on the back-up copy. You may not network the Software or use it on more than a single computer or computer terminal at any time, unless a license is purchased for each computer or terminal on the network that will use the Software. You may transfer this Software from one computer to another, provided that the Software is used on only one computer at a time. You may not rent or lease the Software, but you may transfer the Software and accompanying written material and this license to another person on
Registration Information
Customer Name:
Genie CCTV Ltd.
Registration Code:
DR98J808FE5F5A5A4E4D952C096FBA
QT757FE8D758FKF85F415BEF64137E
Dongle SN: 00000005
OK
Cancel
Genie
Sphinx
Serial Number of Dongle

Figure 13-3

13.6 About

About lists software details such as the Version number and the last build time plus I-CON contact details (Figure 13-4).

About
Genie
ACCESS
Sphinx 4.0
Version: V4.0.0.0
Last Build Time: 22/11/2007 15:26:18
Copyright(C) 1998-2007
Address: Genie CCTV, CCTV House, City Park, Watchmead, Welwyn Garden City, Hertfordshire, AL1 1LT, United Kingdom
ZIP Code: AL1 1LT
TEL: +44(0)1707 330541
Fax: +44(0)1707 330543
E-Mail: info@genieaccess.com
Web: http://www.genieaccess.com
Warning: The product is protected by International law and can not be used without authorization.
OK

Figure 13-4

Chapter 14 Language

14.1 Language

The language can be selected at the time of installation and subsequently changed once the software has been configured. To change the language from within the software, click the "Language" menu button (Figure 14-1).

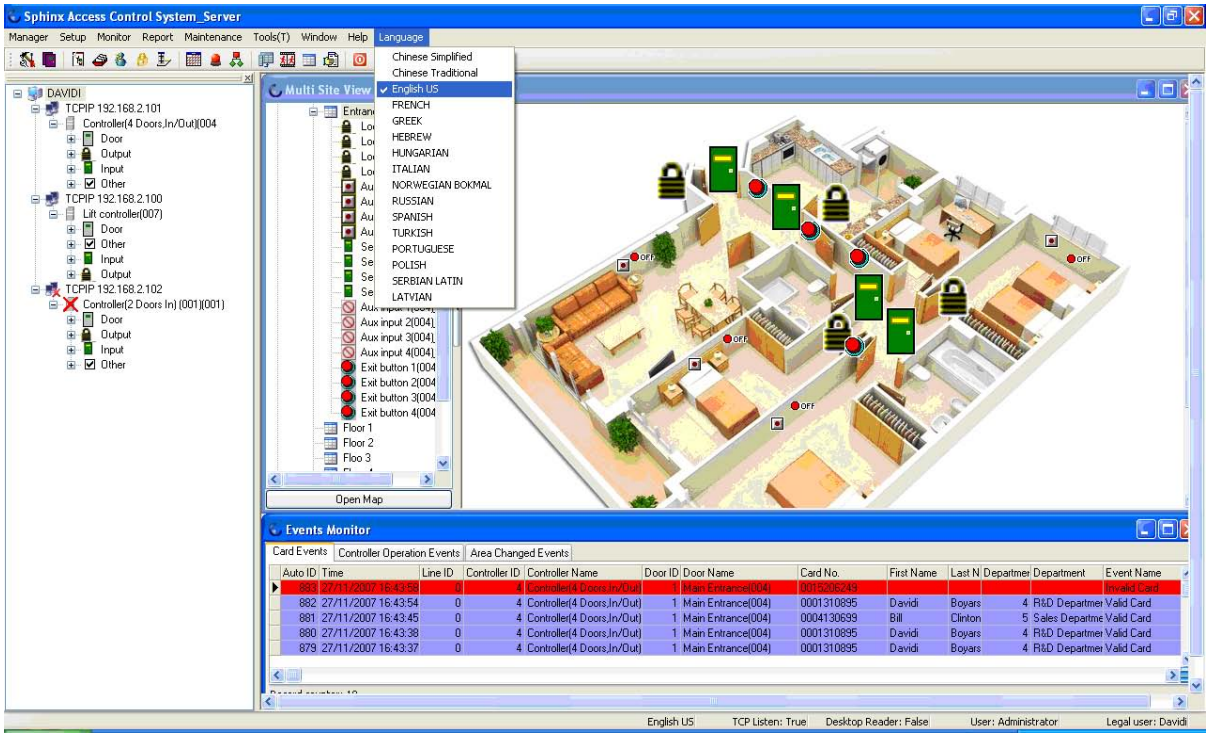

Figure 14-1